(15) 2513

ORDER NO. TSD-7906-349

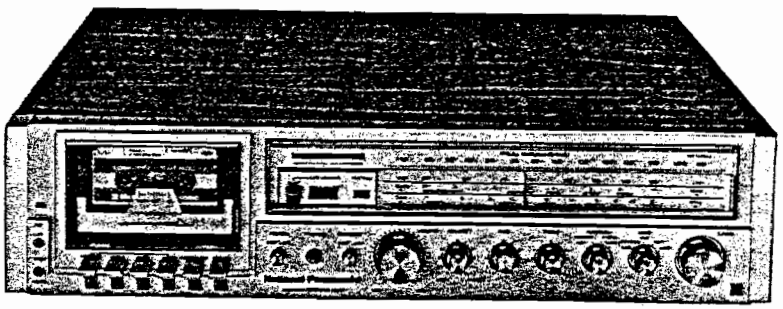
Service Manual

Stereo Music Center

FM/MW/SW1/SW2/FM STEREO
WITH CASSETTE TAPE DECK

Original

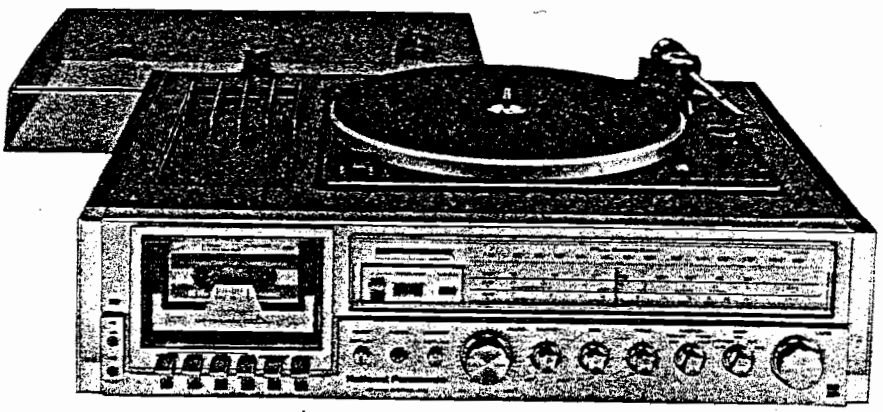
SG-1800



SG-1800

FM/MW/SW1/SW2/FM STEREO
WITH CASSETTE TAPE DECK AND
RECORD PLAYER

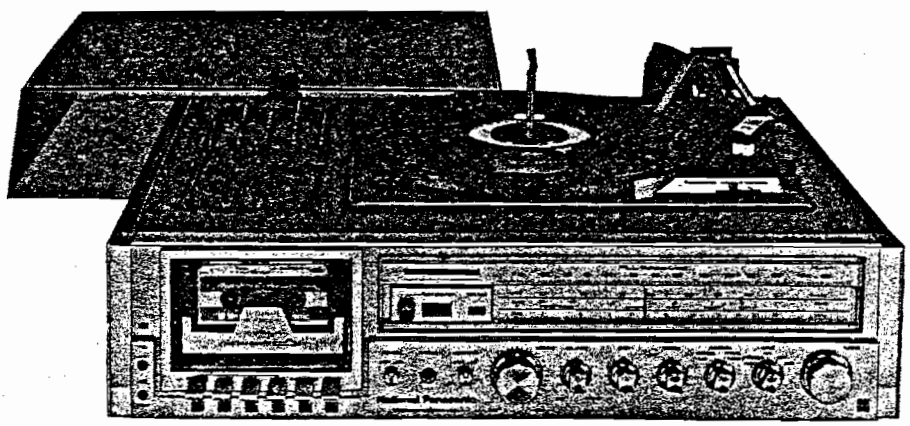
SG-1800P



SG-1800P

FM/MW/SW1/SW2/FM STEREO
WITH CASSETTE TAPE DECK AND
RECORD CHANGER

SG-1800C



SG-1800C

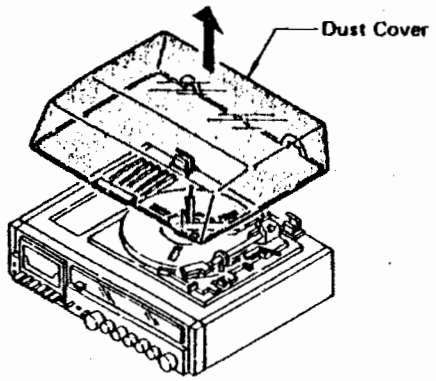
National Panasonic

Matsushita Electric Trading Co., Ltd.
P. O. Box 288, Central Osaka, Japan

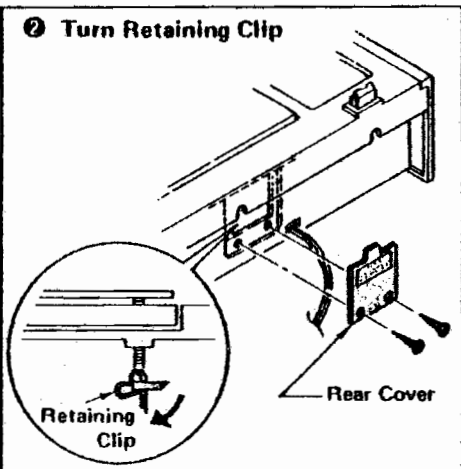
2513

DISASSEMBLY INSTRUCTIONS

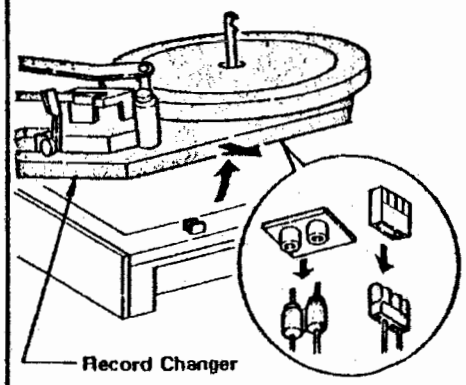
❶ Remove Dust Cover



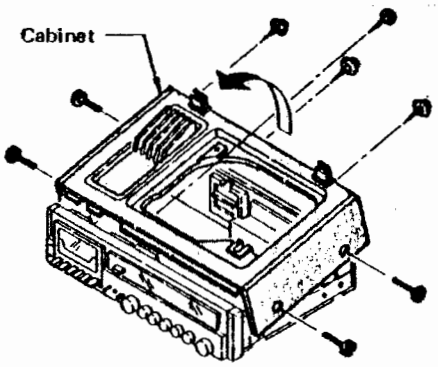
❷ Turn Retaining Clip



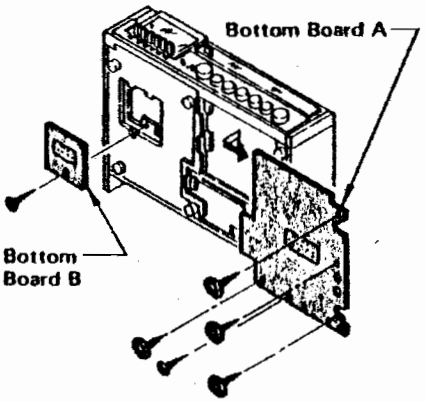
❸ Remove Record Player



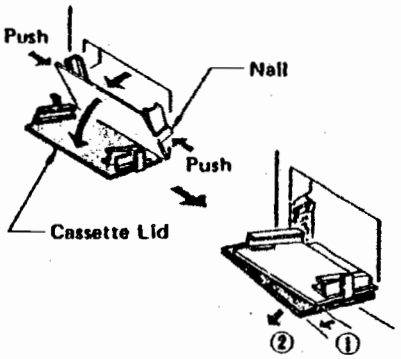
❹ Remove Cabinet



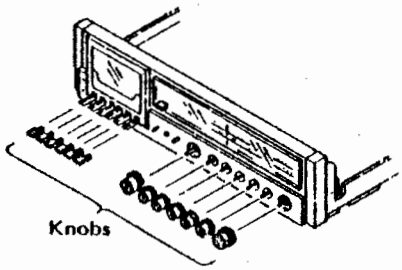
❺ Remove Bottom Board



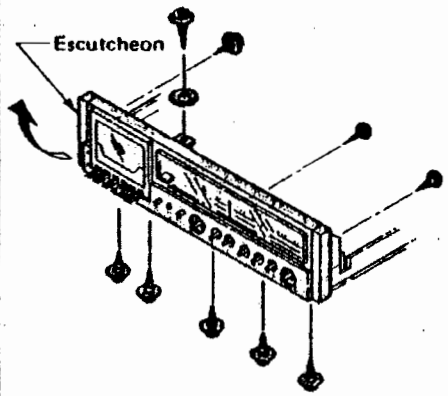
❻ Remove Cabinet Lid



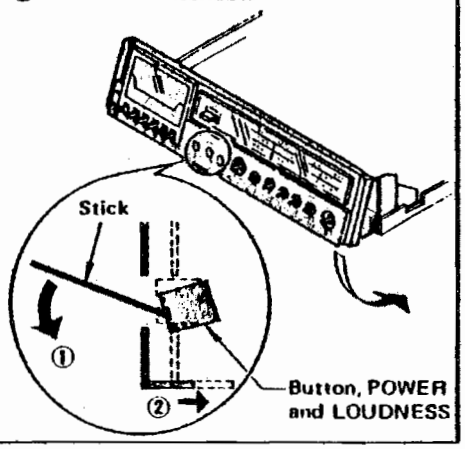
❼ Pull Knobs



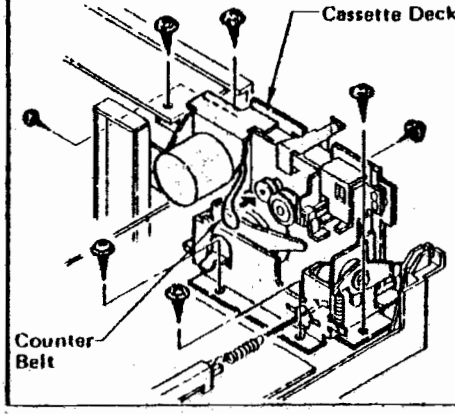
❽ Remove Escutcheon



❾ Install Escutcheon



❿ Remove Counter Belt and Cassette Deck



SG-1800

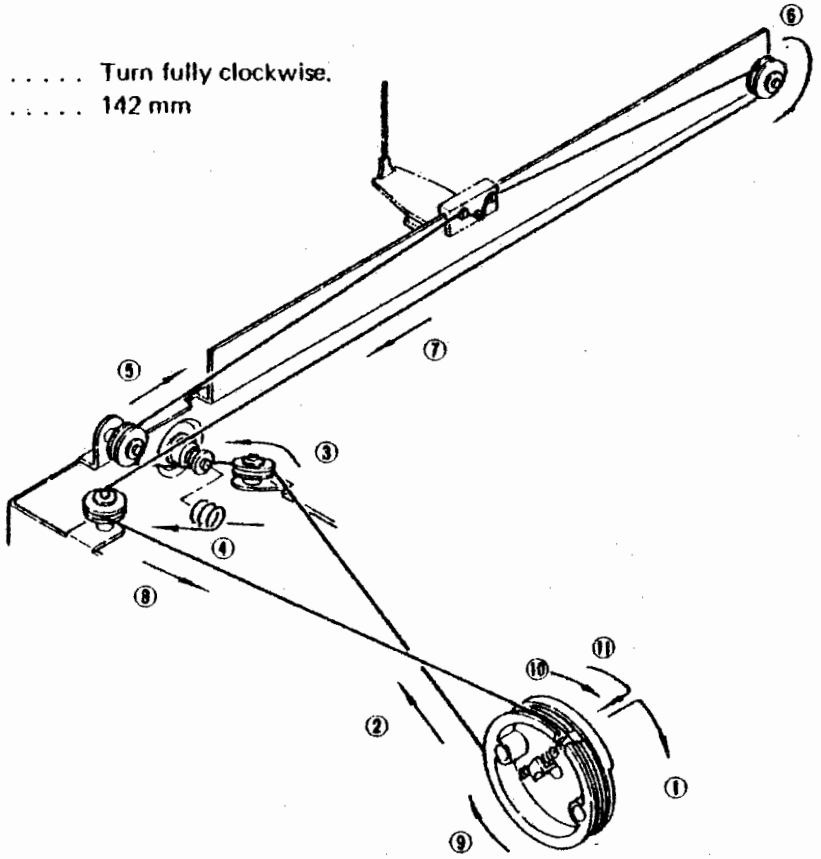
- **To Replace Parts on P. C. Board** . . . . . Refer to ❹-❺.
- **To Remove Escutcheon** . . . . . Refer to ❹, ❻-❾.
- **To Remove Cassette Deck** . . . . . Refer to ❸, ❻-❿.

SG-1800P/SG-1800C

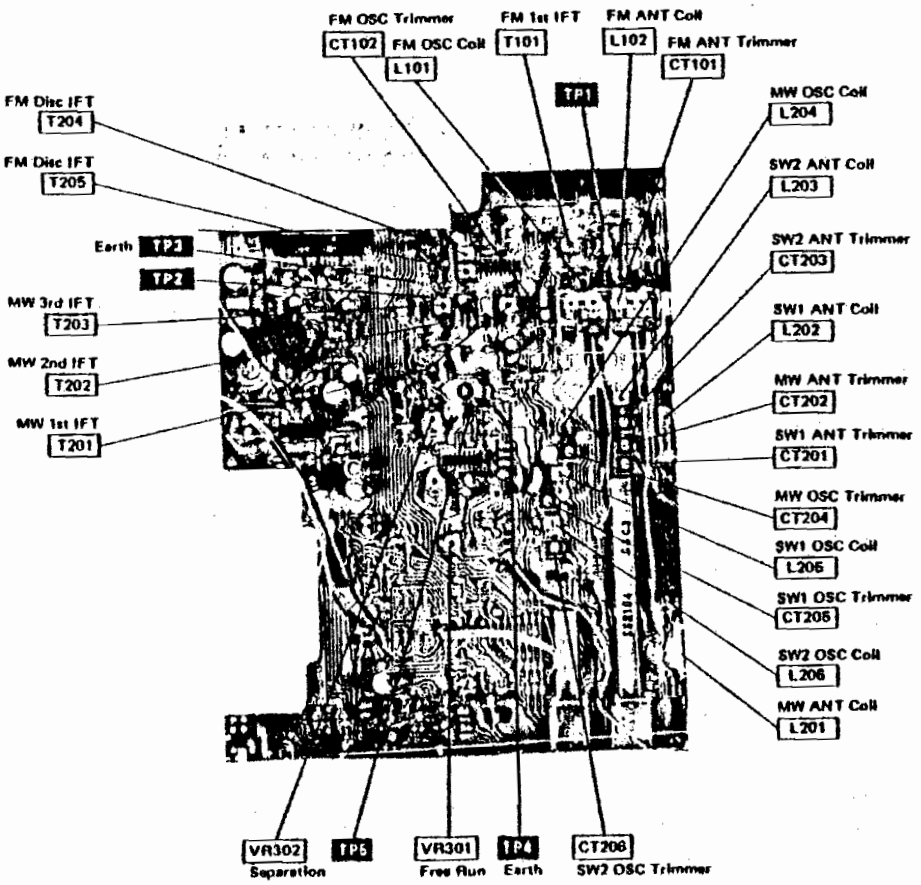
- **To Replace Parts on P. C. Board** . . . . . Refer to ❶-❺.
- **To Remove Escutcheon** . . . . . Refer to ❶-❹, ❻-❾.
- **To Remove Cassette Deck** . . . . . Refer to ❶-❹, ❻-❿.

DIAL CORD STRINGING GUIDE

Notes:
Dial Drum . . . . . Turn fully clockwise.
Dial Cord Length . . . . . 142 mm



ALIGNMENT POINTS

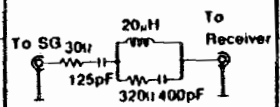


ALIGNMENT INSTRUCTIONS

■ RADIO ALIGNMENT-1

Control Positions:

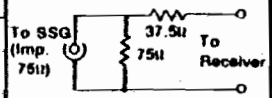
1. Volume Control . . Maximum (AM-IF and RF, FM-RF); Minimum (FM-IF)
2. Treble Control . . . Center
3. Bass Control . . . . Center
4. Balance Control . . Center
5. Function Selector . Radio
6. Power Switch . . . . ON
7. Speaker Switch . . . A
8. Loudness . . . . . OFF
9. Band Selector . . . . MW, SW1, SW2, FM AUTO, FM MONO
10. Output of signal generator should be no higher than necessary to obtain output reading.
11. Make certain that speaker system is connected to the receiver when aligning. (or use 8Ω dummy load resistors).

STEP	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUST	REMARKS
	CONNECTION	FREQUENCY				
AM-IF AND RF ALIGNMENT						
1 (MW)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz	Point of non-interference	Output meter across speaker jack (L) or TP2 and TP3 (earth)	T201 (MW 1st IFT) T202 (MW 2nd IFT) T203 (MW 3rd IFT)	Adjust for maximum output.
2 (MW)		550 kHz 30% Mod. with 400 Hz	550 kHz (18.3 mm)		L201 (MW ANT Coil) L204 (MW OSC Coil)	Adjust for maximum output by sliding coil L201 along ferrite core. • Refer to **Note.**
3 (MW)		1500 kHz 30% Mod. with 400 Hz.	1500 kHz (157.4 mm)		CT202 (MW ANT Trimmer) CT204 (MW OSC Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
4 (SW1)		2.3 MHz 30% Mod. with 400 Hz.	2.3 MHz (7.0 mm)		L202 (SW1 ANT Coil) L205 (SW1 OSC Coil)	Adjust for maximum output by sliding coil L202 along ferrite core. • Refer to **Note.**
5 (SW1)		7 MHz 30% Mod. with 400 Hz	7 MHz (168.8 mm)		CT201 (SW1 ANT Trimmer) CT205 (SW1 OSC Trimmer)	Adjust for maximum output. Repeat steps (4) and (5).
6 (SW2)	Connect to EXT antenna and ground through SW Dummy antenna.  DUMMY ANTENNA		7 MHz (6.3 mm)		L203 (SW2 ANT Coil) L206 (SW2 OSC Coil)	Adjust for maximum output.
7 (SW2)		22 MHz 30% Mod. with 400 Hz.	22 MHz (168.1 mm)		CT203 (SW2 ANT Trimmer) CT206 (SW2 OSC Trimmer)	Adjust for maximum output. Repeat steps (6) and (7).

Note: Cement antenna coil with wax after completing alignment.

ALIGNMENT INSTRUCTIONS

■ RADIO ALIGNMENT-2

STEP	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (VTVM or SCOPE)	ADJUST	REMARKS
	CONNECTION	FREQUENCY				
FM-IF AND DETECTOR ALIGNMENT						
1	High side through 1pF between point TP1 and TP4 (earth).	10.7 MHz (400 kHz SWP.)	Point of non-interference (on/ about 98 MHz)	Connect vert. amp. input of scope between point TP6 and TP4 (earth).	T101 (FM 1st IFT) T204 (FM Disc. IFT) • Refer to **Note.**	Adjust T101 for maximum amplitude and symmetrical curve.
2					T205 (FM Disc. IFT)	Adjust for maximum amplitude and proper linearity between about ±100 kHz markers.
Note: Before aligning step 1, turn the cores of T205 fully counterclockwise.						
FM-RF ALIGNMENT						
1	Connect to EXT. FM antenna terminal through Dummy antenna. Common to chassis.	90 MHz 30% Mod. with 400 Hz	90 MHz (23.5 mm)	Output meter across speaker jack (L) or TP2 and TP3 (earth)	L102 (FM ANT Coil) L101 (FM OSC Coil)	Adjust for maximum output.
2	 DUMMY ANTENNA	106 MHz 30% Mod. with 400 Hz	106 MHz (147.5 mm)		CT101 (FM ANT Trimmer) CT102 (FM OSC Trimmer)	Adjust for maximum output. Repeat steps (1) and (2).
Note: As three output readings will be present, adjustments must be made at center frequency.						

■ FM STEREO ALIGNMENT

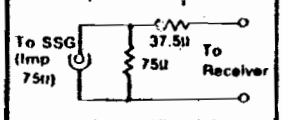
FREE RUN ALIGNMENT

Control Positions:
1. Volume Control . . . . Audible level of speaker sound
2. Treble Control . . . . . MIN
3. Bass Control . . . . . Center
4. Band Selector . . . . . FM AUTO
5. Balance Control . . . . Center

EQUIPMENT CONNECTION	ADJUST	REMARKS
Connect frequency counter to TP6 and TP4 (earth) at no signal condition.	VR301	Adjust VR301 for 19 kHz ±100 Hz on frequency counter reading.

SEPARATION ALIGNMENT

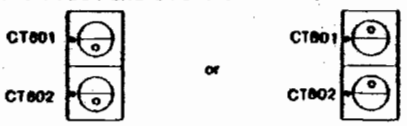
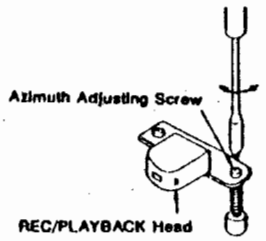
Control Positions:
1. Stereo Modulator: Connect Stereo Modulator to EXT Mod. terminal of signal generator.
2. Signal Generator: Modulation Rate of 19 kHz Pilot Signal 10%
   Modulation Rate of Right and Left Signal 27%
   Output Level . . . . . 60 dB
3. Tuner (Balance Control) Adjust balance control so that output level from both channels becomes equal.

EQUIPMENT CONNECTION			ADJUST	REMARKS
SIGNAL GENERATOR	VTVM	OSCILLOSCOPE		
Connect to EXT. FM antenna terminal through dummy antenna.  DUMMY ANTENNA	Connect across speaker jack or TP2 and TP3 (earth).	Connect vertical amp. input of scope to terminals of VTVM.	VR302 (Separation Control)	Adjust VR302 for minimum indication of VTVM from the left side output when the right side of stereo modulator is modulated. Adjust VR302 in the same way for the right side. Adjust for best balance between "L to R" and "R to L" separation.
Note: When aligning separation, disconnect frequency counter.				

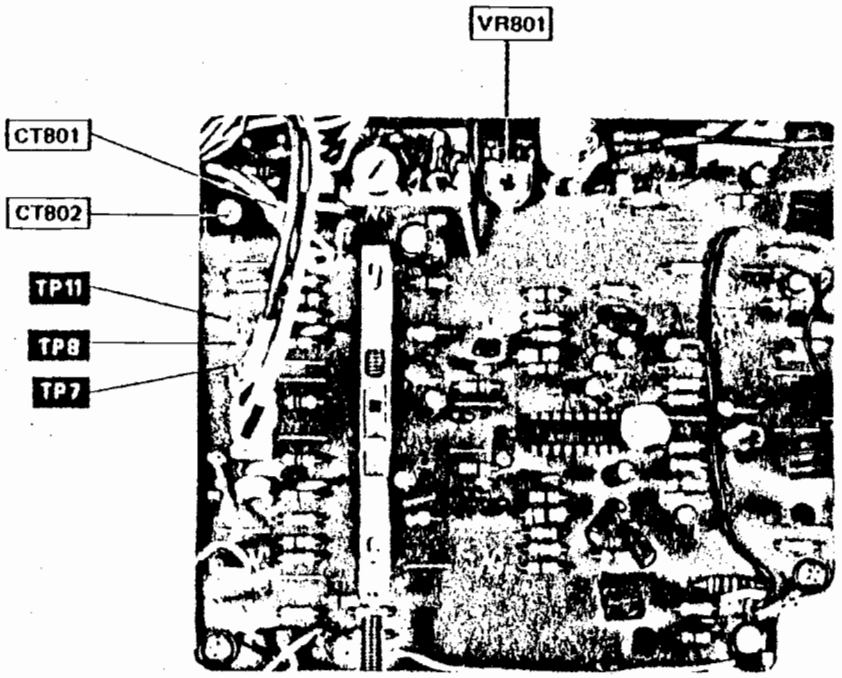
ALIGNMENT INSTRUCTIONS

■ CASSETTE TAPE DECK ALIGNMENT

Control Positions:
1. Function Selector . . . . . TAPE/MIC
2. Balance Control . . . . . Center
3. Tape Deck Condition . . . . . Recording Condition

STEP	ALIGNMENT ITEM	VTVM CONNECTION		VOLUME CONTROL	ADJUST	REMARKS
		Positive	Earth			
1	Recording Bias Voltage	TP7	TP11	MIN	CT801	Set CT801 and CT802 to center position. 
		TP8	TP11		CT802	Adjust CT801 and CT802 for both equal value of VTVM reading.
					VR801	Adjust VR801 to get 3.3 mV reading on VTVM.
2	R/P Head Azimuth	Speaker Terminal	Speaker Terminal	. . . . .	R/P Head Screw	Adjust screw for maximum indication of VTVM. (Test Tape VTT-652). 

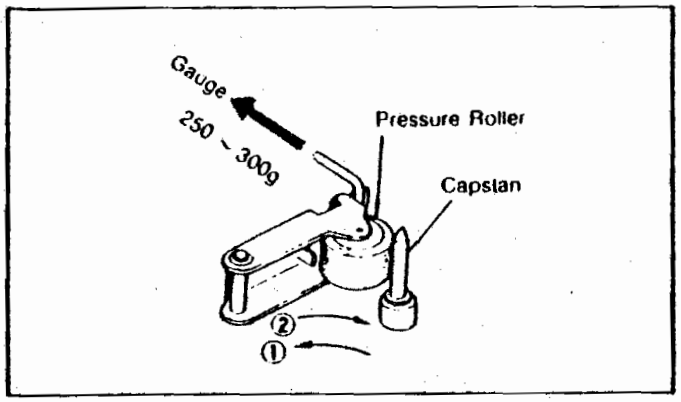
ALIGNMENT POINTS (CASSETTE TAPE DECK)



MECHANICAL ADJUSTMENT OF CASSETTE TAPE DECK

PRESSURE ROLLER ADJUSTMENT

1. Switch set to PLAY. (Do not insert cassette.)
2. Hook Spring gauge to arm of pressure roller.

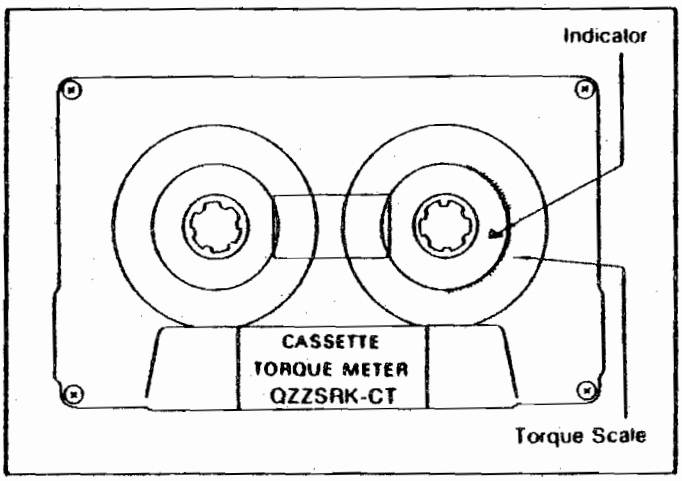


3. Pull pressure roller away from the capstan in the direction of arrow 1 with spring gauge and slowly permit the pressure roller to return toward capstan in the direction of arrow 2.
4. Measure tension at time when pressure roller makes contact with capstan (or when pressure roller starts rotating.)
5. The standard tension of pressure roller should be 250 ~ 380g.
6. If pressure is not within these limits;
   Clean the rubber roller and capstan with a soft cloth moistened with alcohol or replace pressure spring.

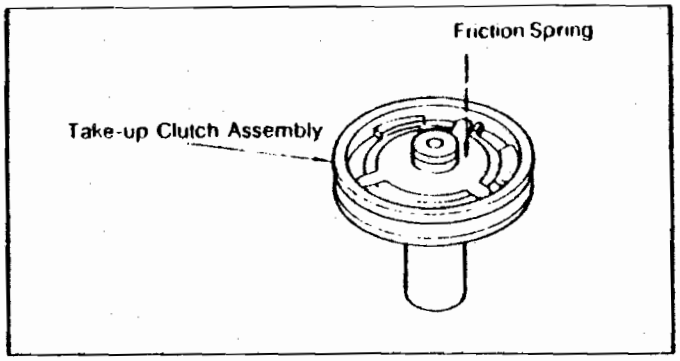
TAKE-UP TORQUE ADJUSTMENT

* Test Tape: SRK-CT (Take-up Torque Meter)

1. Insert test tape.
2. Rewind the tape to its starting point.
3. Switch set to PLAY.
4. Read "▶" mark of indicator on take-up side.

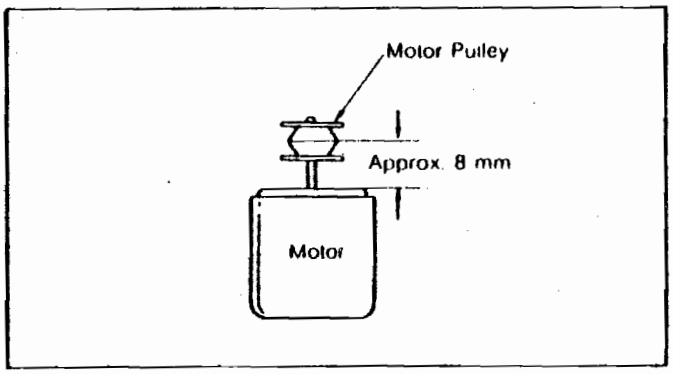


5. Repeat PLAY-STOP several times and read the average tension.
6. The standard take-up tension should be 30 ~ 70 g.cm. If take-up tension is not within these limits;
   a) Clean main belt, take-up reel and all parts which contact them with a cotton swab moistened with alcohol, and/or
   b) Switch set to "OFF", remove main belt and make sure that take-up reel and take-up clutch are rotating smoothly.
   c) Change take-up clutch tension by turning the friction spring under reel table, and/or
   d) Replace take-up clutch.



MOTOR PULLEY ADJUSTMENT

When replacing the motor, adjust the clearance between motor and motor pulley as in figure below.

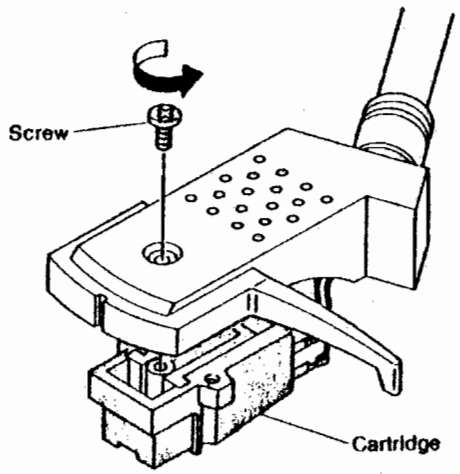


SERVICING THE RECORD CHANGER-1 (SP-915ECA) (SG-1800C)

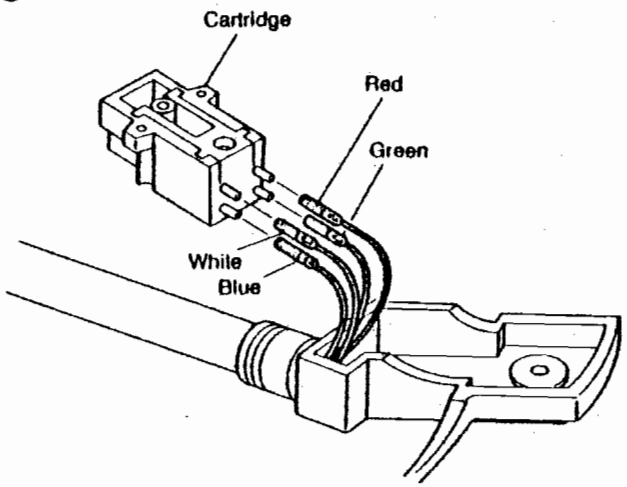
CARTRIDGE REPLACEMENT

➡ Remove ⇨ Install

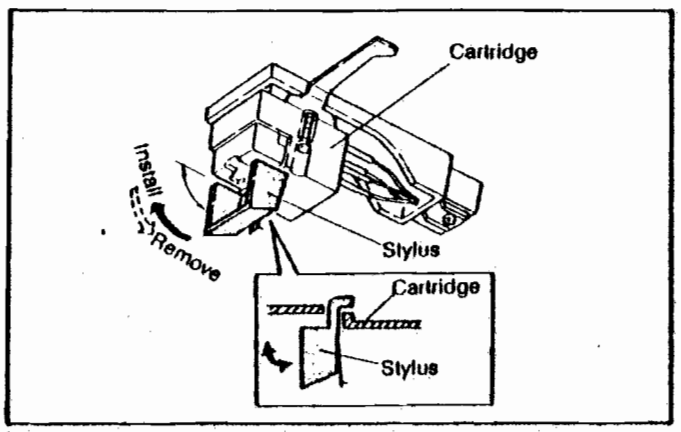
① **Remove Screw**



② **Remove Wires**

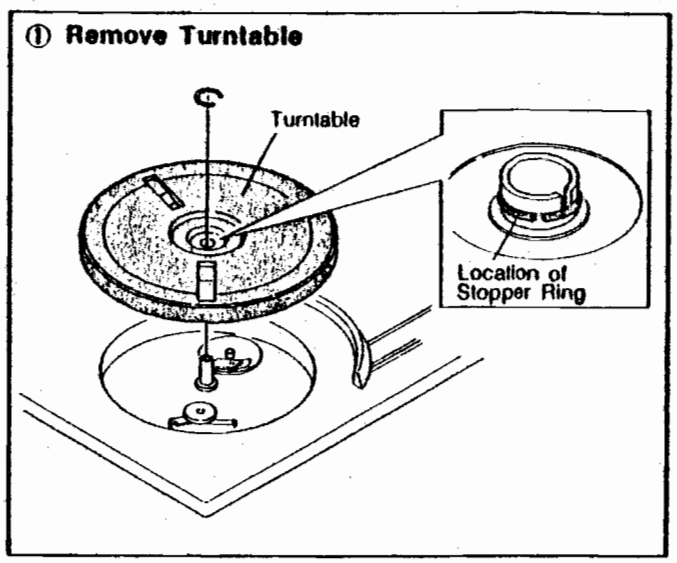


STYLUS REPLACEMENT

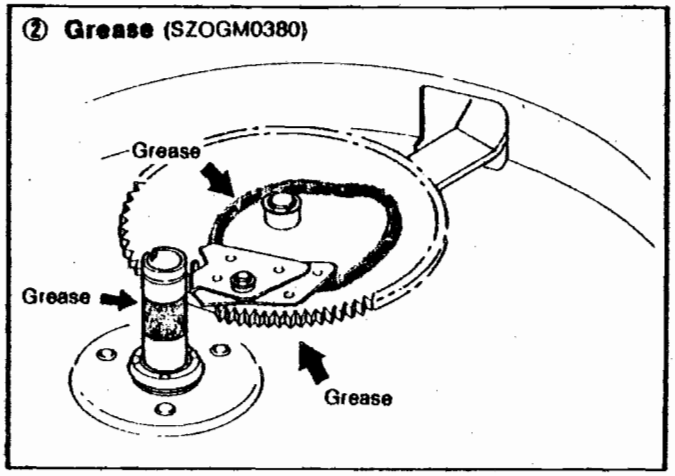


LUBRICATION

① **Remove Turntable**

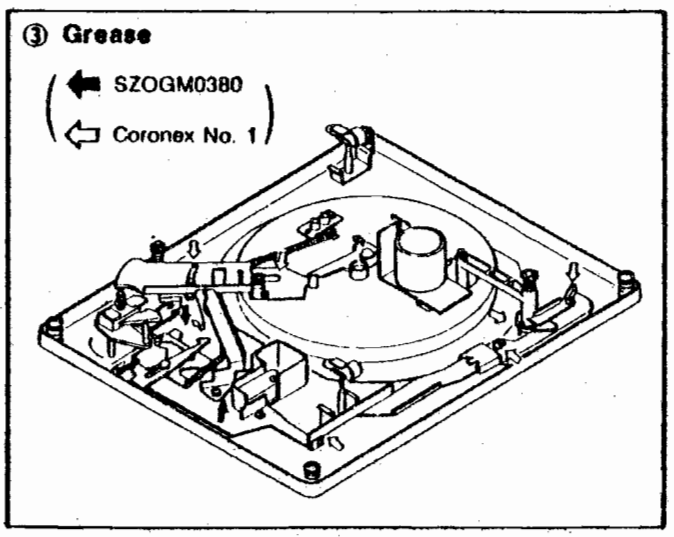


② **Grease** (SZOGM0380)

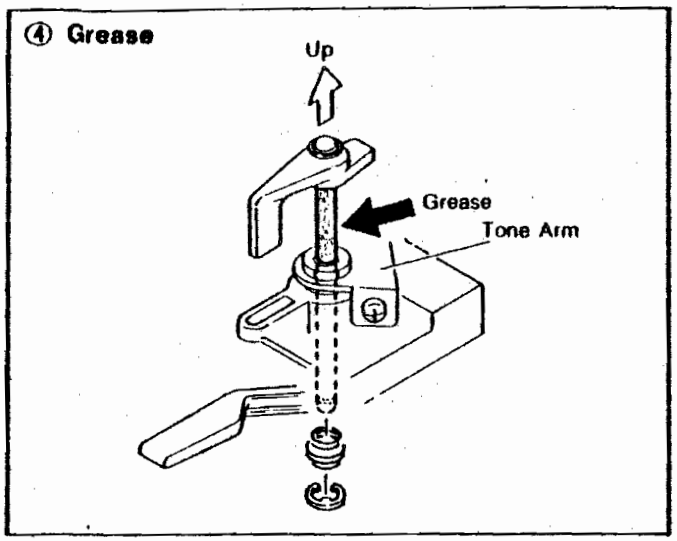


③ **Grease**

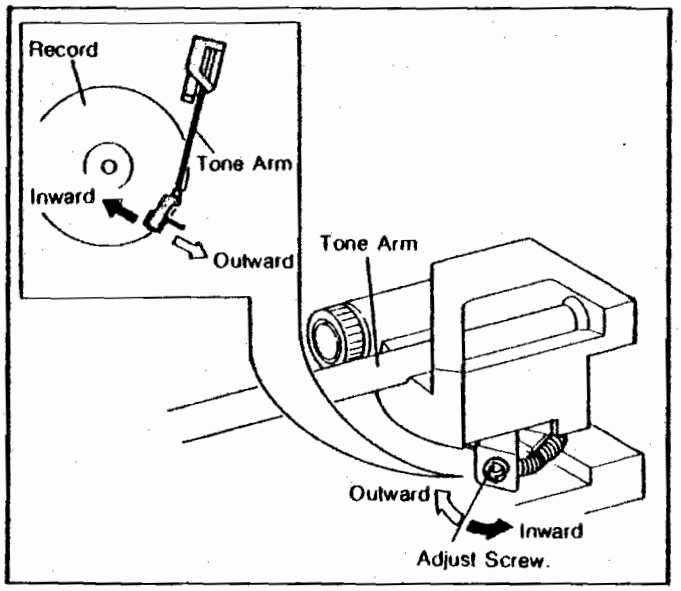
(⬅ SZOGM0380
⇦ Coronex No. 1)



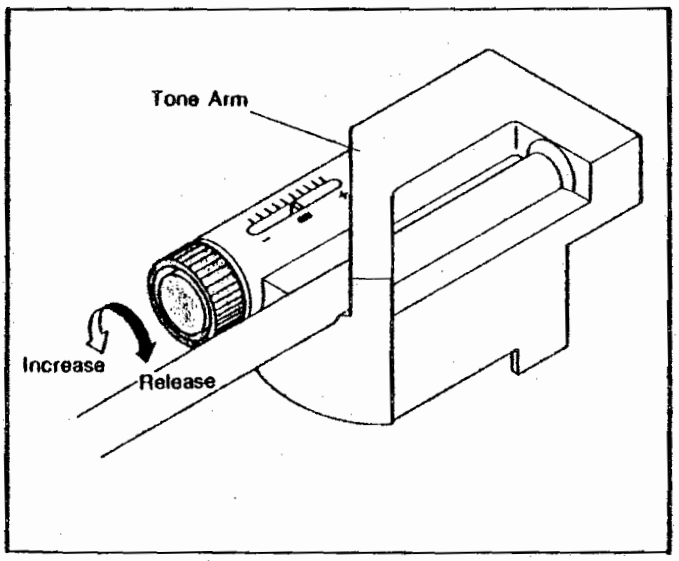
SERVICING THE RECORD CHANGER-2 (SP-915ECA) (SG-1800C)



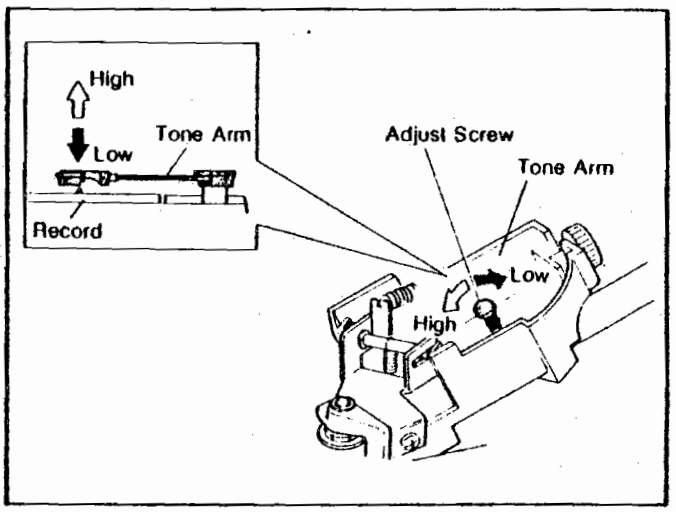
STYLUS DROP POINT ADJUSTMENT



STYLUS PRESSURE ADJUSTMENT

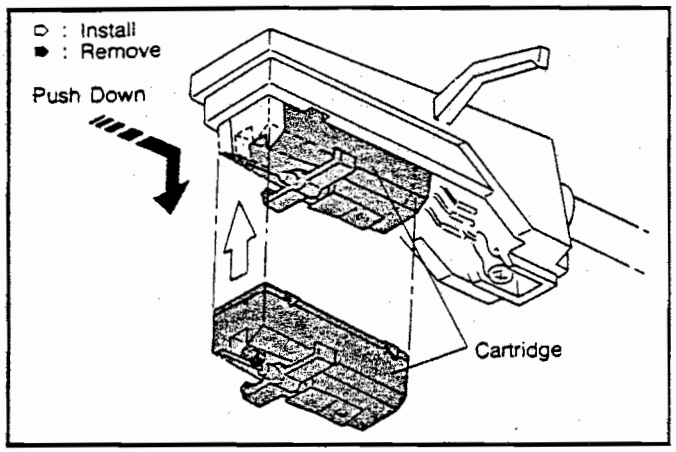


TONE ARM LIFTING HEIGHT ADJUSTMENT

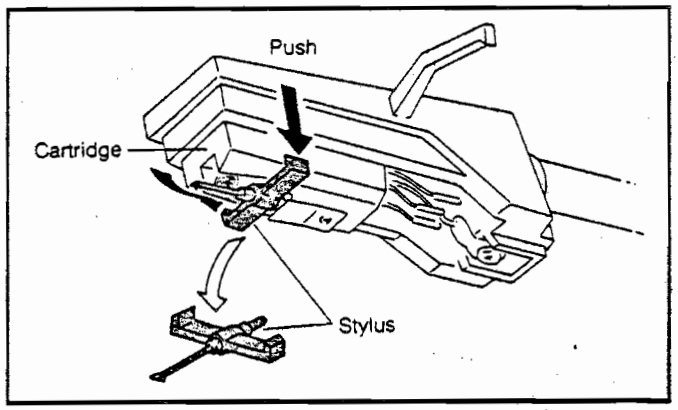


SERVICING THE RECORD PLAYER (SP-510B) (SG-1800P)

CARTRIDGE REPLACEMENT

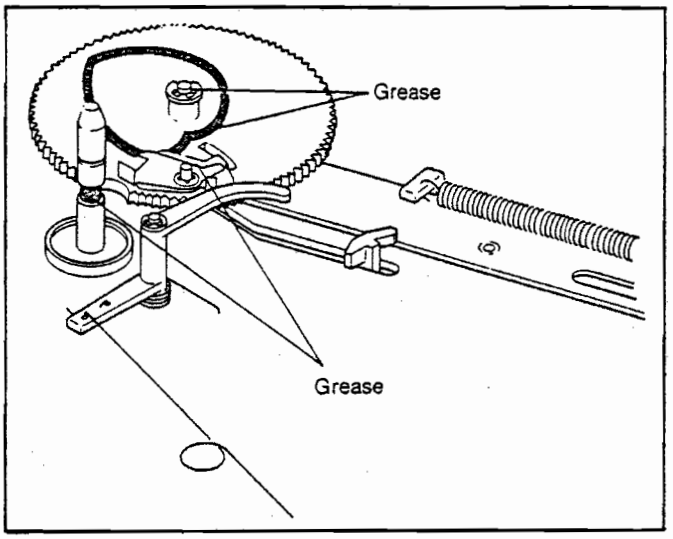


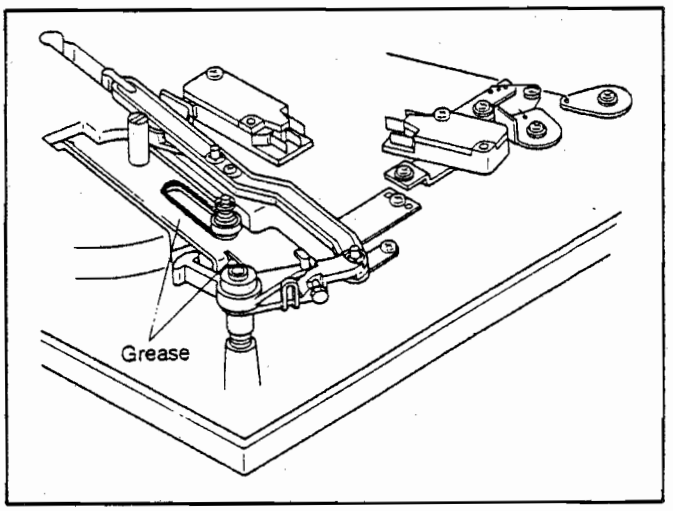
STYLUS REPLACEMENT



LUBRICATION

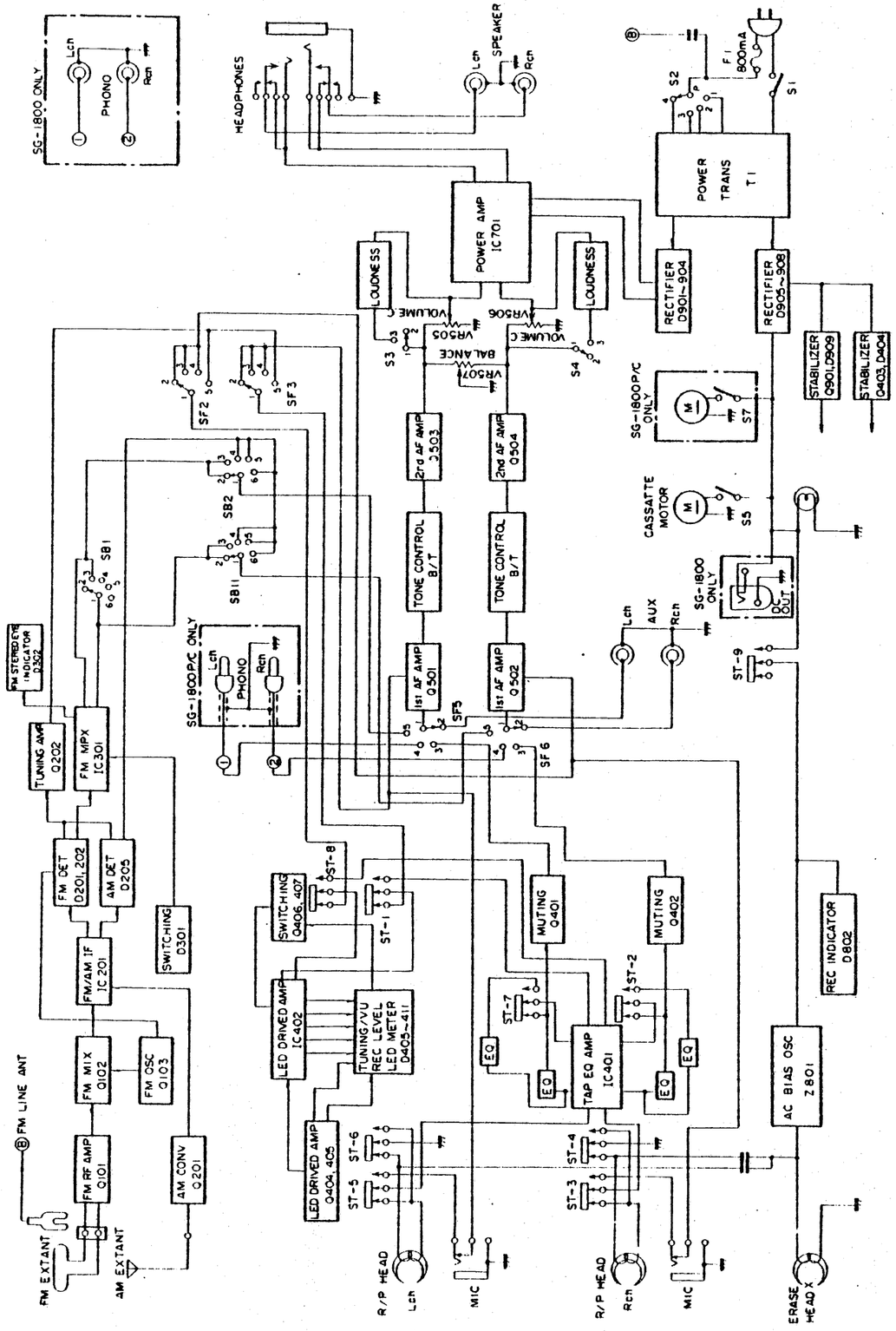
The record player has been thoroughly lubricated at the factory and under normal use should not require additional lubrication. When replacing some parts, however, it may be necessary to lubricate the parts as specified.





Note:
Do not allow grease to touch motor pulley, belt and turntable.

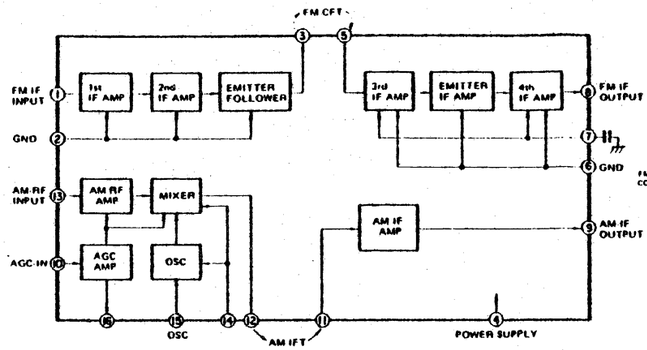
BLOCK DIAGRAM



IC BLOCK DIAGRAMS

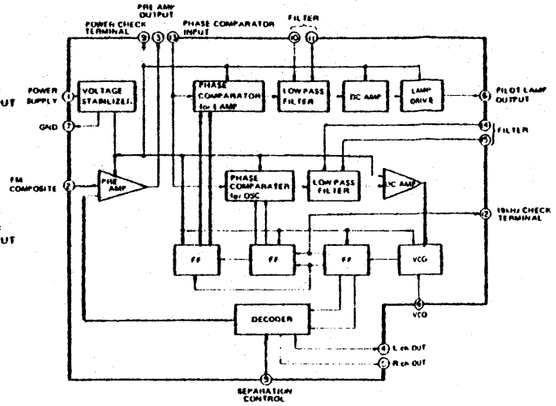
IC201

AN217P



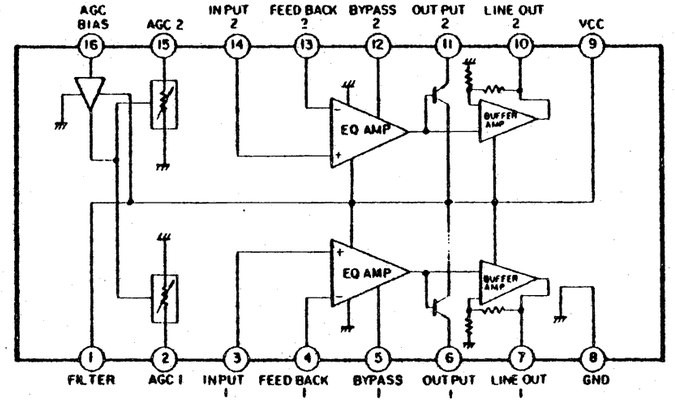
IC301

LA3350S



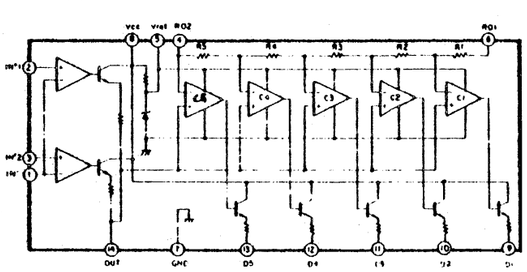
IC401

M51301P



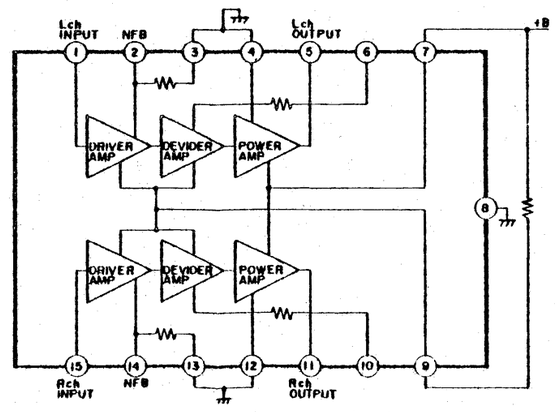
IC402

LB1416

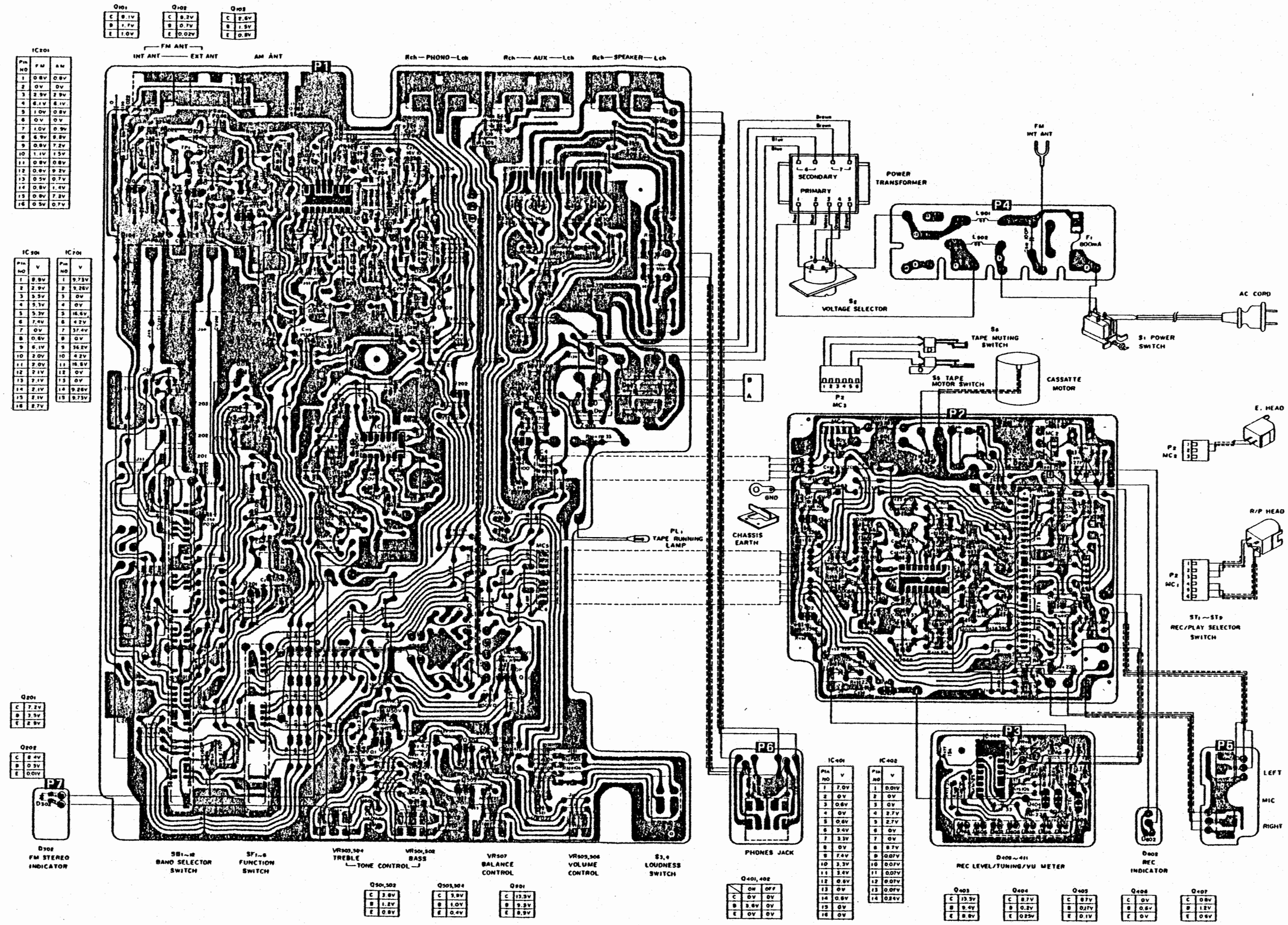


IC701

STK436



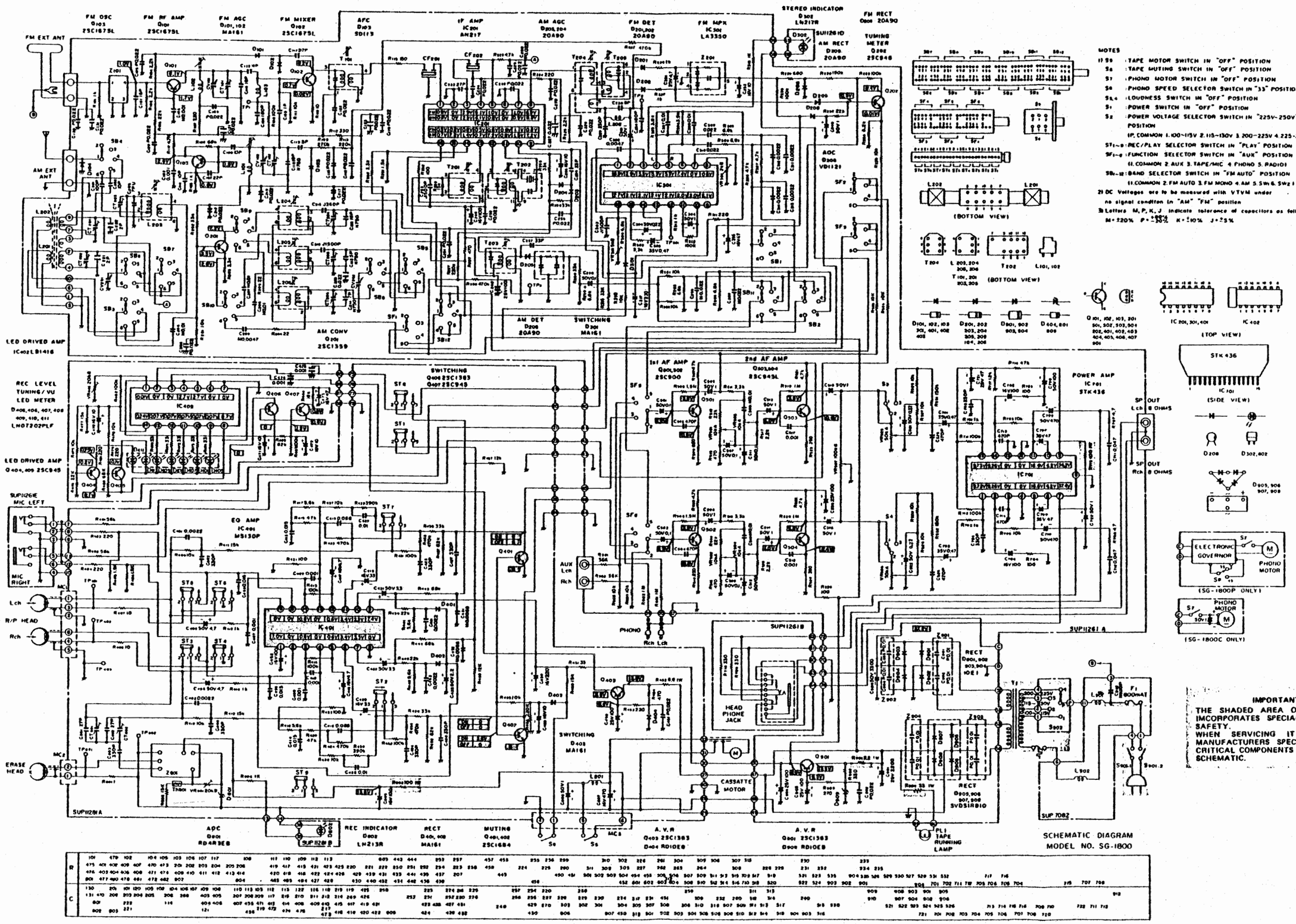
CIRCUIT BOARD AND WIRING CONNECTION (SG-1800)



*This diagram might be modified without notice for futher development of technology.

MODEL NO SG-1800

SCHEMATIC DIAGRAM (SG-1800)



NOTES

1) S6 : TAPE MOTOR SWITCH IN "OFF" POSITION
S6 : TAPE MUTING SWITCH IN "OFF" POSITION
S7 : PHONO MOTOR SWITCH IN "OFF" POSITION
S8 : PHONO SPEED SELECTOR SWITCH IN "33" POSITION
SL1-4 : LOUDNESS SWITCH IN "OFF" POSITION
S1 : POWER SWITCH IN "OFF" POSITION
S2 : POWER VOLTAGE SELECTOR SWITCH IN "225V~250V" POSITION
1P. COMMON 1. 100~115V 2. 115~130V 3. 200~225V 4. 225~250V)
SF1-6 : REC/PLAY SELECTOR SWITCH IN "PLAY" POSITION
SF1-6 : FUNCTION SELECTOR SWITCH IN "AUX" POSITION
1). COMMON 2. AUX 3. TAPE/MIC 4. PHONO 5. RADIO)
SB1-12 : BAND SELECTOR SWITCH IN "FM AUTO" POSITION
1). COMMON 2. FM AUTO 3. FM MONO 4. AM 5. SW1 6. SW2)

2) DC Voltages are to be measured with VTVM under no signal conditon in "AM" "FM" position

3) Letters M, P, K, J indicate tolerance of capacitors as follows M: ±20% P: +100% -0% K: ±10% J: ±5%

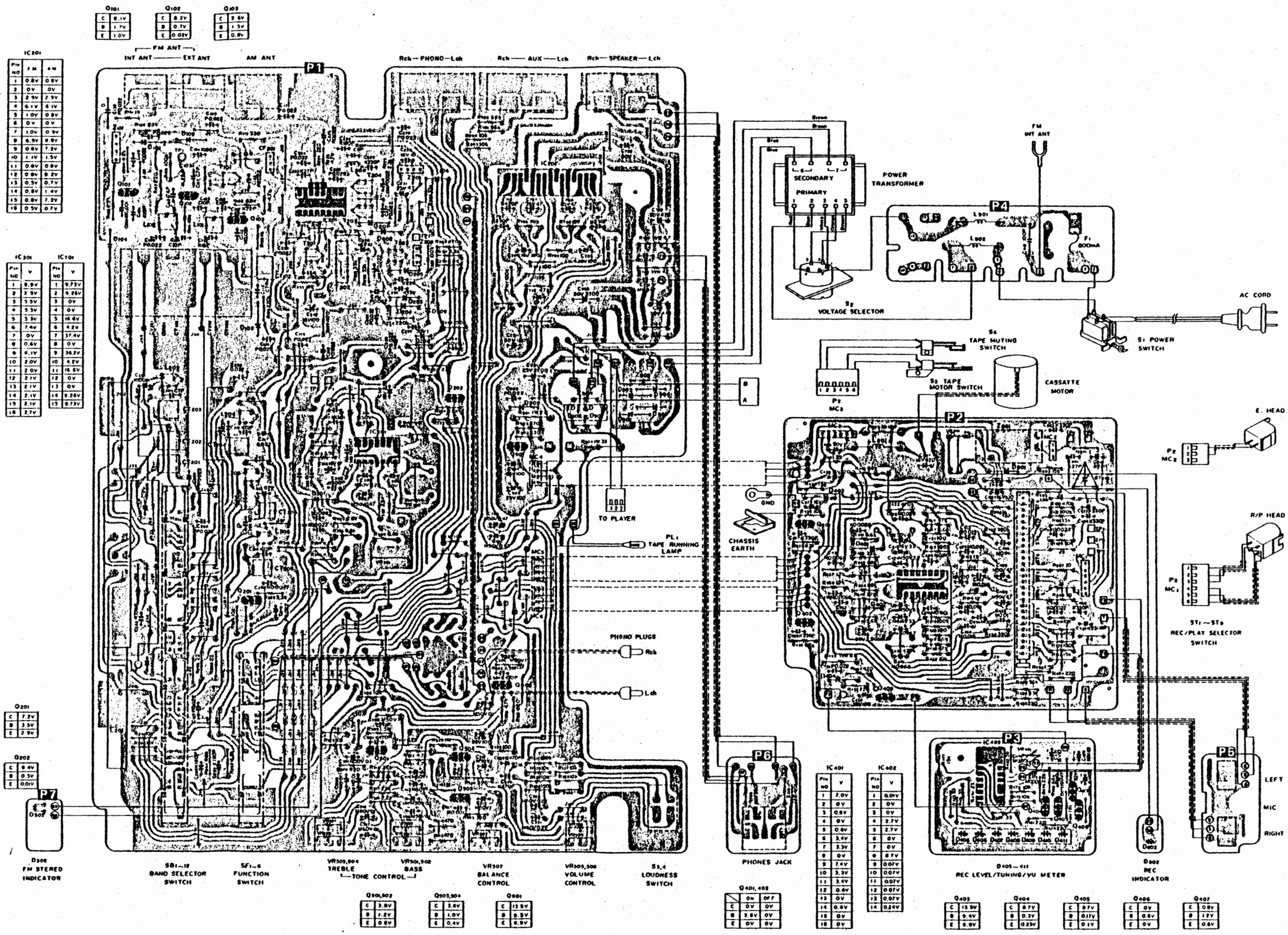
IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGR IMCORPORATES SPECIAL FEATURES IMPORTANT T SAFETY.
WHEN SERVICING IT IS ESSENTIAL THAT OI MANUFACTURERS SPECIFIED PARTS BE USED FOR CRITICAL COMPONENTS IN THE SHADED AREAS OF SCHEMATIC.

SCHEMATIC DIAGRAM
MODEL NO. SG-1800

*This diagram might be modified without notice for futher development of tec

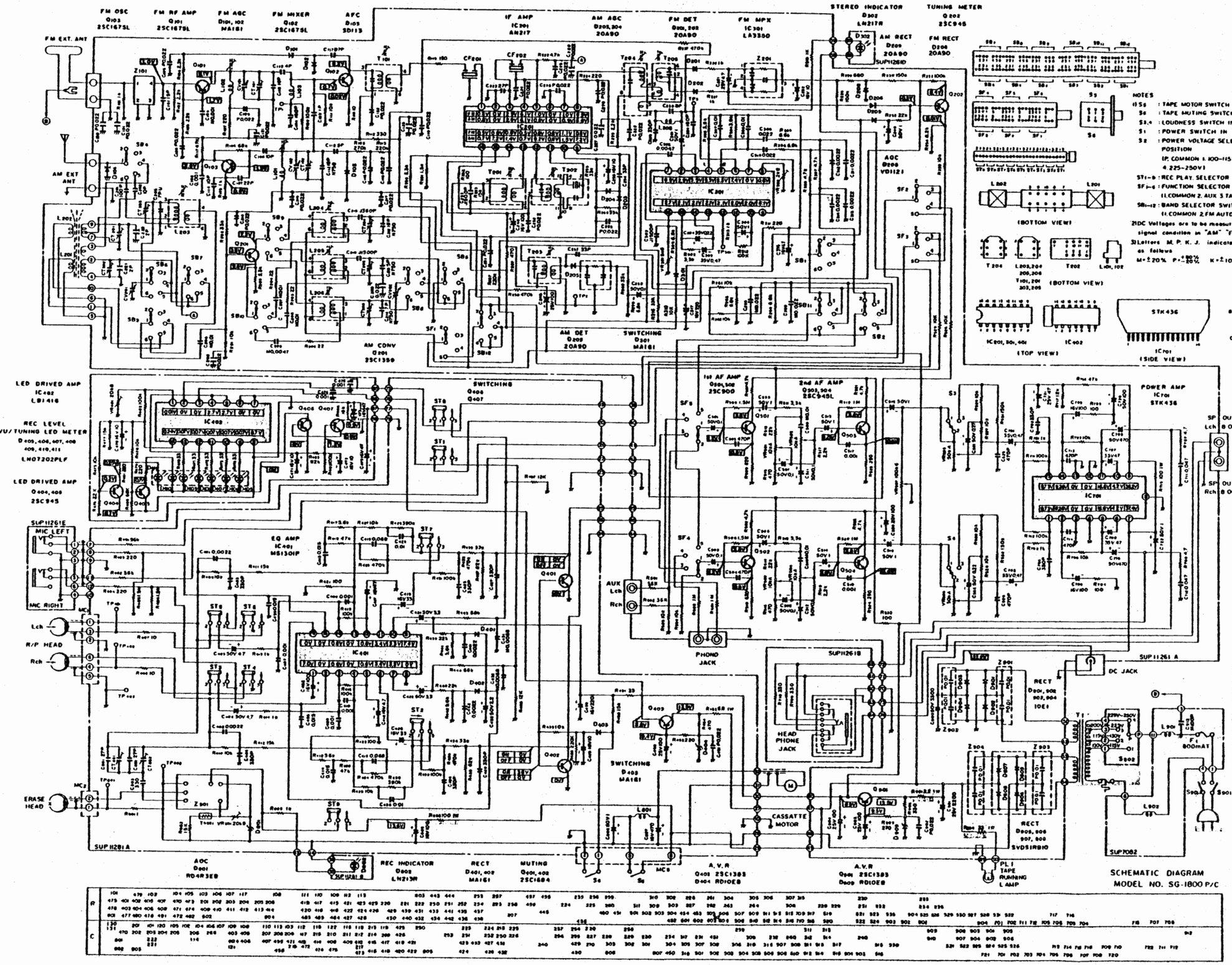
CIRCUIT BOARD AND WIRING CONNECTION (SG-1800P/SG-1800C)



*This diagram might be modified without notice for futher development of technology.

MODEL NO SG-1800 P/C

SCHEMATIC DIAGRAM (SG-1800P/SG-1800C)


FM OSC
FM RF AMP
FM AGC
FM MIXER
AFC
IF AMP
AM AGC
FM DET
FM MPX
STEREO INDICATOR
TUNING METER
FM EXT. ANT
AM EXT ANT
AM CONV
AM DET
SWITCHING
AGC
1st AF AMP
2nd AF AMP
POWER AMP
EQ AMP
LED DRIVED AMP
REC LEVEL VU/TUNING LED METER
PHONO JACK
HEAD PHONE JACK
CASSATTE MOTOR
REC INDICATOR
RECT
MUTING
A.V.R
PL I TAPE RUNNING LAMP
DC JACK
MIC LEFT
MIC RIGHT
R/P HEAD
ERASE HEAD
(BOTTOM VIEW)
(TOP VIEW)
(SIDE VIEW)
STK436
SP OUT Lch 8 OHMS
SP OUT Rch 8 OHMS
NOTES
1) S6 : TAPE MOTOR SWITCH IN "OFF" POSITION
S6 : TAPE MUTING SWITCH IN "OFF" POSITION
S9-6 : LOUDNESS SWITCH IN "OFF" POSITION
S1 : POWER SWITCH IN "OFF" POSITION
S2 : POWER VOLTAGE SELECTOR SWITCH IN "240V" POSITION
(P. COMMON 1. 100~115V 2. 115~130V 3. 200~225V 4. 225~250V)
ST1-6 : REC PLAY SELECTOR SWITCH IN "PLAY" POSITION
SF1-6 : FUNCTION SELECTOR SWITCH IN "AUX" POSITION
(1. COMMON 2. AUX 3. TAPE/MIC 4. PHONO 5. RADIO)
SB1-12 : BAND SELECTOR SWITCH IN "FM AUTO" POSITION
(1. COMMON 2. FM AUTO 3. FM MONO 4. AM 5. SW1 6. SW2)
2) DC Voltages are to be measured with VTVM under no signal condition in "AM" "FM" position
3) Letters M, P, K, J, indicate tolerance of capacitors as follows
M: ±20% P: +100% -0% K: ±10% J: ±5%
IMPORTANT SAFETY NOTICE
THE SHADED AREA ON THIS SCHEMATIC DIAG IMCORPORATES SPECIAL FEATURES IMPORTANT SAFETY.
WHEN SERVICING IT IS ESSENTIAL THAT O MANUFACTURERS SPECIFIED PARTS BE USED FOR CRITICAL COMPONENTS IN THE SHADED AREAS OF SCHEMATIC.
SCHEMATIC DIAGRAM
MODEL NO. SG-1800 P/C

*This diagram might be modified without notice for futher development of techno

REPLACEMENT PARTS LIST

NOTES:

1. Components identified by ⚠ have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
2. Parts No. listed in this parts list are of service parts.

Ref. No.	Part No.	Description	Per Set (pcs.)
TRANSISTORS			
Q101	2SC1675	FM RF Amp	1
Q102	2SC1675	FM Mixer	1
Q103	2SC1675	FM OSC	1
Q201	2SC1359	AM Conv.	1
Q202	2SC945	Tuning Meter	1
Q401, 402	2SC1684	Muting	2
Q403	2SC1383	A. V. R.	1
Q404, 405	2SC945	LED Drived Amp	2
Q406	2SC1383	Switching	1
Q407	2SC945	Switching	1
Q501, 502	2SC900	1st AF Amp	2
Q503, 504	2SC945L	2nd AF Amp	2
Q901	2SC1383	A. V. R.	1
INTEGRATED CIRCUITS			
IC201	AN217P	FM-AM IF Amp	1
IC301	LA3350S	FM MPX	1
IC401	M51301P	EQ Amp	1
IC402	LB1416	LED Drived Amp	1
IC701	STK436	Power Amp	1
DIODES			
D101, 102	MA161	FM AGC	2
D103	SD113	FM AFC	1
D104	SM112	Rect.	1
D201, 202	2OA90	FM Det	2
D203, 204	2OA90	AM AGC	2
D205	2OA90	AM Det	1
D206	2OA90	FM Rect.	1
D208	VD1121	AOC	1
D209	2OA90	AM Rect.	1
D301	MA161	Switching	1
D302	LN217RP	Speed Indicator	1
D401, 402	MA161	Rect.	2
D403	MA161	Switching	1
D404	RD10EB	A. V. R.	1
D405 ~ 411	LN07202PLF	Rec Level Tuning/ VU LED Meter	1
D801	RD4R3EB	AOC	1
D802	LN213RP	Rec Indicator	1
D901, 902	SM112	Rect.	2
D903, 904	SM112	Rect.	2
D905 ~ 908	SVDSIRB10	Rect.	1
D909	RD10EB	A. V. R.	1

Ref. No.	Part No.	Description	Per Set (pcs.)
THERMISTOR			
TH801	ERTD2FHL153S	Thermistor	1
LAMP AND FUSE			
PL1	XAMR34X500-1	Pilot Lamp	1
F1 ⚠	XBAS2C08T2A	Fuse, 800mA	1
COILS AND TRANSFORMERS			
L101, 102	SLO4N18-M	OSC Coil, FM	2
L103	RLQY10G5-O	Trap Coil	1
L201, 202	SLF5F38-O	Antenna Coil, AM	1
L203	SLA3M4-M	Antenna Coil, SW2	1
L204	SLO2M2-M	OSC Coil, MW	1
L205	RLO3M18-M	OSC Coil, SW1	1
L206	RLO3M4-M	OSC Coil, SW2	1
L208	SLQX260-Y	Trap Coil	1
L801	ELQ250A999	Peeking Coil	1
L901, 902	SLQY35S-2S	Noise Trap Coil	2
T1 ⚠	SLT5M106-W	Power Transformer	1
T101	RLI4M101	IFT, FM 1st	1
T201	SLI2M102	IFT, AM 1st	1
T202	RL17V102-M	IFT, AM 2nd	1
T203	SLI2M202-M	IFT, AM 3rd	1
T204	RLI4M501-M	IFT, FM Disc	1
T205	RLI4M502-M	IFT, FM Disc	1
CF201, 202	RVFCF10M12CR	Ceramic Filter, FM	1
COMPONENT COMBINATIONS			
Z101	SXAPFWB2		1
Z201	EXA5DL04C	C-R	1
Z202	EXAF203Z471	C-R	1
Z901, 902	EXRFS203ZC	C-C	2
Z903, 904	EXRFS203ZC	C-C	2
OSCILLATOR BLOCK			
Z801	SL09Z26-K	Oscillator Block	1
VARIABLE RESISTORS			
VR301	EVTS3MA00B53	5kΩB, Preset	1
VR302	EVTS3MA00B23	2kΩB, Preset	1
VR303	EVTS3MA00B15	100kΩB, Preset	1
VR401	EVTT3AA00B24	20kΩB, Preset	1
VR501, 502	EWK3BAF25A14	10kΩA, Bass	1
VR503, 504	EWK3BAF25A14	10kΩA, Treble	1
VR505, 506	EWKK6A033A54	50kΩA, Volume	1
VR507	EVHM8AF25G15	100kΩG, Balance	1
VR801	EVTS3MA00B24	20kΩB, Preset	1

REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Per Set (pcs.)
VARIABLE CAPACITORS			
CV101, 102 103, 104	SCVC146J114K	Tuning Capacitor with Trimmer (CT101)	1
CT102	RCVCTY12B218	Trimmer Capacitor	1
CT201, 202	RCVCTY12B218	Trimmer Capacitor	2
CT203, 204	RCVCTY12B218	Trimmer Capacitor	2
CT205, 206	RCVCTY12B218	Trimmer Capacitor	2
CT801, 802	SCVCTY211D31	Trimmer Capacitor	1
SWITCHES			
S1	ESB7067	Power	1
S2	ESE3744	Voltage Selector	1
S3, 4	ESB71626	Loudness	1
SB1 ~ 12	SSR104	Band Selector	1
SF1 ~ 4	SSR128	Function Selector	1
ST1 ~ 9	ESD80205	Rec/Play Selector	1
PACKINGS			
PA1	SPN3762	Carton Box (SG-1800P)	1
PA1	SPN3764	Carton Box (SG-1800)	1
PA1	SPN3760	Carton Box (SG-1800C)	1
PA2	SPN3750	Pad, Leftt (SG-1800P/C)	1
PA2	SPN3770	Pad (SG-1800)	1
PA3	SPN3748	Pad, Right (SG-1800P/C)	1
PA4	SPN3826	Pad, Center (SG-1800P/C)	1
PA6	XZB83X80C05	Poly Cover	
PA7	SPN2896	Pad, TT Sheet (SG-1800P/C)	1
PA8	SPN3754	Left Pad, Dust Cover (SG-1800P)	1
PA8	SPN3758	Left Pad, Dust Cover (SG-1800C)	1
PA9	SPN3752	Right Pad, Dust Cover (SG-1800P)	1
PA9	SPN3756	Right Pad, Dust Cover (SG-1800C)	1
OTHERS			
1	6QX50098	Instruction Book	1
2	SPS1HCCNRCZ1	Demonstration Tape	1
3	SJP9212	Plug, Adaptor A	1
4	SJP9210	Plug, Adaptor B	1
5	OL340	Silicon Oil (for Power IC & Transistor)	1

Numbering System of Resistor

Type	Wattage	Tolerance	Value
Three Letters	One or Two Letters	Two or Three Letters	Three or Four Letters

Example:

E R D 2 5 T J 1 0 1

Resistor Type	Tolerance
ERD: Carbon Film	F: ±1%
ERC: Solid	J: ±5%
ERX: Metal Film	K: ±10%
ERG: Metal Oxide Film	
ERO: High Stability Metal Film	
ERF: Flameproof Wire-Wound Bath-Tube	
ERQ: Fuse Type Metal Film	

Ref. No.	Part No.	Description		Per Set (pcs.)
RESISTORS				
R101	ERD25TJ102	1kΩ	1/4W	1
R102	ERD25TJ222	2.2kΩ	1/4W	1
R103	ERD25TJ102	1kΩ	1/4W	1
R104	ERD25TJ222	2.2kΩ	1/4W	1
R105	ERD25TJ223	22kΩ	1/4W	1
R106	ERD25TJ683	68kΩ	1/4W	1
R107	ERD25TJ221	220Ω	1/4W	1
R108	ERD25TJ104	100kΩ	1/4W	1
R109	ERD25TJ224	220kΩ	1/4W	1
R110	ERD25TJ100	10Ω	1/4W	1
R111	ERD25TJ103	10kΩ	1/4W	1
R112	ERD25TJ331	330Ω	1/4W	1
R113	ERD25TJ224	220kΩ	1/4W	1
R115	ERD25TJ151	150Ω	1/4W	1
R117	ERD25TJ472	4.7kΩ	1/4W	1
R201	ERD25TJ103	10kΩ	1/4W	1
R202	ERD25TJ153	15kΩ	1/4W	1
R203	ERD25TJ332	3.3kΩ	1/4W	1
R205	ERD25TJ220	22Ω	1/4W	1
R206	ERD25TJ150	15Ω	1/4W	1
R207	ERD25TJ471	470Ω	1/4W	1
R208	ERD25TJ333	33kΩ	1/4W	1
R223	ERD25TJ472	4.7kΩ	1/4W	1
R224	ERD25TJ221	220Ω	1/4W	1
R225	ERD25TJ222	2.2kΩ	1/4W	1
R226, 227	ERD25TJ102	1kΩ	1/4W	2
R228	ERD25TJ104	100kΩ	1/4W	1
R229	ERD25TJ681	680Ω	1/4W	1
R230	ERD25TJ154	150kΩ	1/4W	1
R232	ERD25TJ223	22kΩ	1/4W	1
R233	ERD25TJ104	100kΩ	1/4W	1
R234	ERD25TJ822	8.2kΩ	1/4W	1
R235	ERD25TJ103	10kΩ	1/4W	1

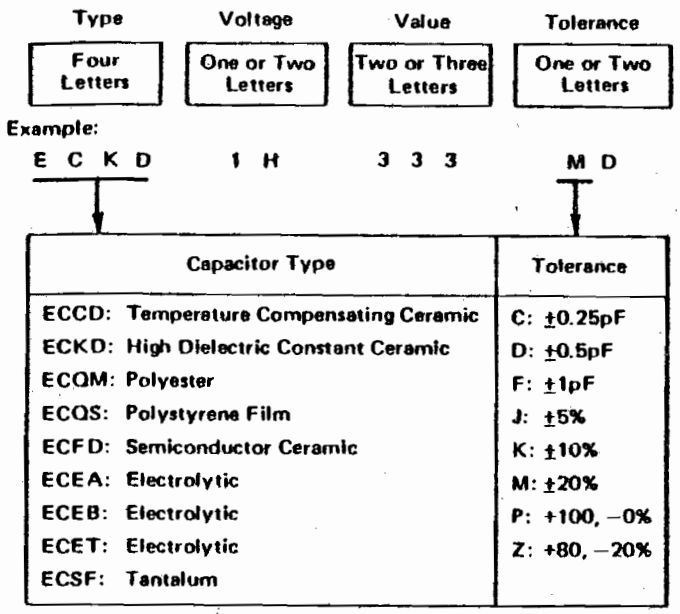
REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description		Per Set (pcs.)
R237	ERD25TJ474	470kΩ	1/4W	1
R250	ERD25TJ332	3.3kΩ	1/4W	1
R251	ERD25TJ152	1.5kΩ	1/4W	1
R252	ERD25TJ101	100Ω	1/4W	1
R253	ERD25TJ223	22kΩ	1/4W	1
R255, 256	ERD25TJ333	33kΩ	1/4W	2
R257	ERD25TJ224	220kΩ	1/4W	1
R258	ERD25TJ474	470kΩ	1/4W	1
R259	ERD25TJ682	6.8kΩ	1/4W	1
R260	ERD25TJ470	47Ω	1/4W	1
R261, 262	ERD25TJ103	10kΩ	1/4W	2
R263, 264	ERD25TJ682	6.8kΩ	1/4W	2
R302	ERD25TJ332	3.3kΩ	1/4W	1
R303, 304	ERD25TJ392	3.9kΩ	1/4W	2
R305, 306	ERD25TJ682	6.8kΩ	1/4W	2
R307, 308	ERD25TJ472	4.7kΩ	1/4W	2
R309	ERD25TJ682	6.8kΩ	1/4W	1
R310	ERD25TJ103	10kΩ	1/4W	1
R311	ERD25TJ221	220Ω	1/4W	1
R312	ERD25TJ104	100kΩ	1/4W	1
R313	ERD25TJ102	1kΩ	1/4W	1
R315	ERD25TJ102	1kΩ	1/4W	1
R316	ERD25TJ330	33Ω	1/4W	1
R401, 402	ERD25TJ563	56kΩ	1/4W	2
R403, 404	ERD25TJ221	220Ω	1/4W	2
R405, 406	ERD25TJ152	1.5kΩ	1/4W	2
R407, 408	ERD25TJ100	10Ω	1/4W	2
R409, 410	ERD25TJ103	10kΩ	1/4W	2
R411, 412	ERD25TJ153	15kΩ	1/4W	2
R413, 414	ERD25TJ102	1kΩ	1/4W	2
R415, 416	ERD25TJ104	100kΩ	1/4W	2
R417, 418	ERD25TJ562	5.6kΩ	1/4W	2
R419, 420	ERD25TJ473	47kΩ	1/4W	2
R421, 422	ERD25TJ101	100Ω	1/4W	2
R423, 424	ERD25TJ474	470kΩ	1/4W	2
R427, 428	ERD25TJ103	10kΩ	1/4W	2
R429, 430	ERD25TJ394	390kΩ	1/4W	2
R431, 432	ERD25TJ104	100kΩ	1/4W	2
R433, 434	ERD25TJ474	470kΩ	1/4W	2
R435, 436	ERD25TJ333	33kΩ	1/4W	2
R437, 438	ERD25TJ823	82kΩ	1/4W	2
R439, 440	ERD25TJ223	22kΩ	1/4W	2
R441, 442	ERD25TJ562	5.6kΩ	1/4W	2
R443, 444	ERD25TJ683	68kΩ	1/4W	2
R450	ERD25TJ153	15kΩ	1/4W	1
R451	ERD25TJ330	33Ω	1/4W	1
R452	ERD25TJ221	220Ω	1/4W	1
R453	ERQ12HJ6R8	6.8Ω	1/2W	1
R454	ERD25TJ471	470Ω	1/4W	1
R455	ERD25TJ103	10kΩ	1/4W	1
R456	ERD25TJ224	220kΩ	1/4W	1
R457, 458	ERD25TJ123	12kΩ	1/4W	2
R470	ERD25TJ330	33Ω	1/4W	1
R471, 472	ERD25TJ330	33Ω	1/4W	2

Ref. No.	Part No.	Description		Per Set (pcs.)
R473, 474	ERD25TJ330	33Ω	1/4W	2
R475	ERD25TJ103	10kΩ	1/4W	1
R476	ERD25TJ223	22kΩ	1/4W	1
R477	ERD25TJ153	15kΩ	1/4W	1
R478	ERD25TJ103	10kΩ	1/4W	1
R479	ERD25TJ221	220Ω	1/4W	1
R480	ERD25TJ683	68kΩ	1/4W	1
R481	ERD25TJ221	220Ω	1/4W	1
R482	ERD25TJ563	56kΩ	1/4W	1
R483	ERD25TJ104	100kΩ	1/4W	1
R484	ERD25TJ183	18kΩ	1/4W	1
R485	ERD25TJ823	82kΩ	1/4W	1
R501, 502	ERD25TJ563	56kΩ	1/4W	2
R503, 504	ERD25TJ103	10kΩ	1/4W	2
R505, 506	ERD25TJ155	1.5MΩ	1/4W	2
R507, 508	ERD25TJ472	4.7kΩ	1/4W	2
R509, 510	ERD25TJ821	820Ω	1/4W	2
R511, 512	ERD25TJ332	3.3kΩ	1/4W	2
R513, 514	ERD25TJ223	22kΩ	1/4W	2
R515, 516	ERD25TJ471	470Ω	1/4W	2
R517, 518	ERD25TJ222	2.2kΩ	1/4W	2
R519, 520	ERD25TJ105	1MΩ	1/4W	2
R521, 522	ERD25TJ472	4.7kΩ	1/4W	2
R523, 524	ERD25TJ391	390Ω	1/4W	2
R525, 526	ERD25TJ103	10kΩ	1/4W	2
R527, 528	ERD25TJ103	10kΩ	1/4W	2
R529, 530	ERD25TJ103	10kΩ	1/4W	2
R531, 532	ERD25TJ154	150kΩ	1/4W	2
R535	ERD25TJ101	100Ω	1/4W	1
R601, 602	ERD25TJ105	1MΩ (SG-1800C)	1/4W	2
R701, 702	ERD25TJ102	1kΩ	1/4W	2
R703, 704	ERD25TJ101	100Ω	1/4W	2
R705, 706	ERD25TJ103	10kΩ	1/4W	2
R707, 708	ERQ12HJ4R7	4.7Ω	1/2W	2
R709	ERD50TJ331	330Ω	1/2W	1
R711, 712	ERD25TJ104	100kΩ	1/4W	2
R715	ERG1ANJ101	100Ω	1W	1
R716	ERD25TJ473	47kΩ	1/4W	1
R717	ERD25TJ183	18kΩ	1/4W	1
R801	ERD25TJ1R0	1Ω	1/4W	1
R802	ERD25TJ153	15kΩ	1/4W	1
R803	ERG1ANJ2R2	2.2Ω	1W	1
R804	ERD25TJ102	1kΩ	1/4W	1
R901	ERG1ANJ2R2	2.2Ω	1W	1
R902	ERD25TJ331	330Ω	1/4W	1
R903	ERD25TJ271	270Ω	1/4W	1
R904	ERG1ANJ330	33Ω	1W	1

REPLACEMENT PARTS LIST

Numbering System of Capacitor



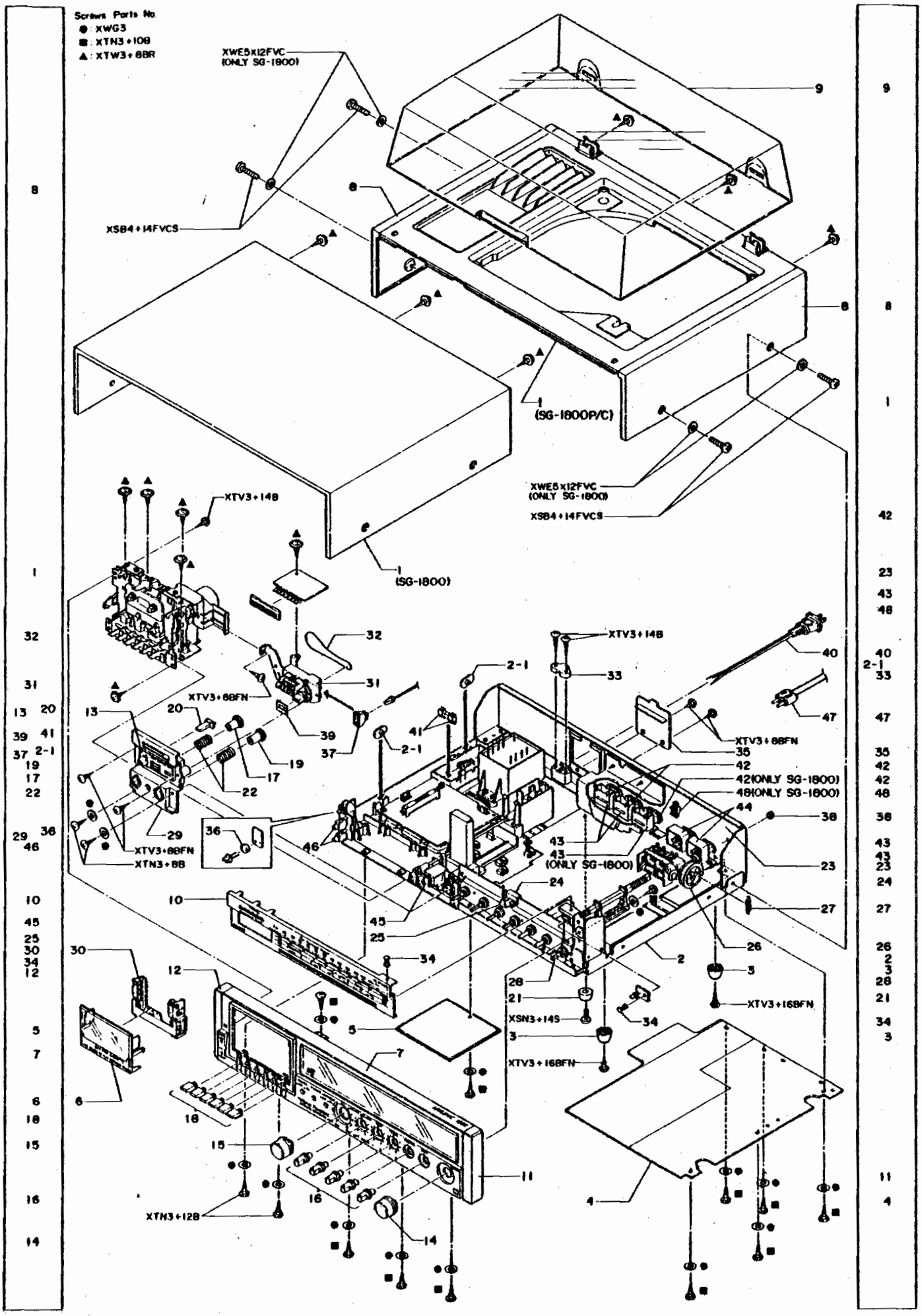
Capacitor Type	Tolerance
ECCD: Temperature Compensating Ceramic	C: ±0.25pF
ECKD: High Dielectric Constant Ceramic	D: ±0.5pF
ECQM: Polyester	F: ±1pF
ECQS: Polystyrene Film	J: ±5%
ECFD: Semiconductor Ceramic	K: ±10%
ECEA: Electrolytic	M: ±20%
ECEB: Electrolytic	P: +100, −0%
ECET: Electrolytic	Z: +80, −20%
ECSF: Tantalum	

Ref. No.	Part No.	Description		Per Set (pcs.)
CAPACITORS				
C101	ECCD1H150K	15pF	50V	1
C102	ECCD1H102K	0.001μF	50V	1
C103	ECCD1H010C	1pF	50V	1
C104	ECCD1H181K	180pF	50V	1
C105	ECCD1H223PF	0.022μF	50V	1
C106	ECCD1H102MD	0.001μF	50V	1
C107	ECCD1H220K	22pF	50V	1
C108	ECCD1H100C	10pF	50V	1
C109	ECCD1H223PF	0.022μF	50V	1
C110	ECCD1H100C	10pF	50V	1
C112	ECCD1H180KU	18pF	50V	1
C113	ECCD1H040C	4pF	50V	1
C114	ECCD1H100C	10pF	50V	1
C115	ECCD1H070C	7pF	50V	1
C116	ECCD1H223PF	0.022μF	50V	1
C117	ECCD1H070C	7pF	50V	1
C118	ECCD1H223PF	0.022μF	50V	1
C119, 120	ECCD1H223PF	0.022μF	50V	2
C121, 122	ECCD1H223PF	0.022μF	50V	2
C123	ECCD1H223PF	0.022μF	50V	1
C130	ECCD1H223PF	0.022μF	50V	1
C131	ECCD1H223PF	0.022μF	50V	1
C201, 202	ECCD1H101K	100pF	50V	2
C205	ECCD1H070CU	7pF	50V	1
C206	ECCD1H103MD	0.01μF	50V	1
C207, 208	ECCD1H103MD	0.01μF	50V	2
C209	ECCD1H472MD	0.0047μF	50V	1
C210	ECQS1152JZ	1500pF	125V	1
C212	ECCD1H120KU	12pF	50V	1
C214	ECCD1H120KU	12pF	50V	1
C215	ECQS1361JZ	360pF	125V	1
C217	ECCD1H223PF	0.022μF	50V	1
C219, 220	ECCD1H223PF	0.022μF	50V	2
C221, 222	ECCD1H020C	2pF	50V	2
C223	ECCD1H270K	27pF	50V	1
C224	ECCD1H223PF	0.022μF	50V	1
C225, 226	ECCD1H223PF	0.022μF	50V	2
C227, 228	ECCD1H223PF	0.022μF	50V	2
C229	ECCD1H331K	330pF	50V	1
C230	ECCD1H080C	8pF	50V	1
C231	ECEA25Z4R7	4.7μ	25V	1
C232	ECEA1HS100	10μF	50V	1
C234	ECCD1H181K	180pF	50V	1
C239	ECEA50Z1	1μF	50V	1
C240	ECEA1ES101	100μF	25V	1
C250	ECCD1H223PF	0.022μF	50V	1
C251, 252	ECCD1H223PF	0.022μF	50V	2
C253	ECQS1152JZ	1500pF	125V	1
C254	ECCD1H330K	33pF	50V	1
C255	ECCD1H223PF	0.022μF	50V	1
C256	ECEA1HS100	10μF	50V	1
C257	ECCD1H220K	22pF	50V	1
C258	ECEA50MR1R	0.1μF	50V	1
C259, 260	ECCD1H223PF	0.022μF	50V	2
C268	ECCD1H223PF	0.022μF	50V	1
C269, 270	ECCD1H223PF	0.022μF	50V	2
C301	ECEA50M1R	0.022μF	50V	1
C302	ECQM1H473MZ	0.047μF	50V	1
C303	ECQS1152JZ	1500pF	125V	1
C304	ECEA50MR22R	0.22μF	50V	1
C305	ECEA50MR47R	0.47μF	50V	1
C306	ECEA50Z1	1μF	50V	1
C307, 308	ECCD1H103MD	0.01μF	50V	2
C309, 310	ECCD1H223MD	0.022μF	50V	2
C311, 312	ECCD1H222K	0.0022μF	50V	2
C316	ECEA1ES470	47μF	25V	1
C317	ECEA1CS221	220μF	16V	1
C401, 402	ECCD1H222K	0.0022μF	50V	2
C403, 404	ECCD1H331K	330pF	50V	2
C405, 406	ECEA50MR4R7R	4.7μF	50V	2
C407, 408	ECCD1H102MD	0.001μF	50V	2
C409, 410	ECCD1H102MD	0.001μF	50V	2
C413, 414	ECQM1H153MZ	0.015μF	50V	2
C415, 416	ECQM1H683MZ	0.068μF	50V	2
C417, 418	ECEA1CS4R7	4.7μF	16V	2
C419, 420	ECEA1CS330	33μF	16V	2
C421, 422	ECEA50MR3R3R	3.3μF	50V	2
C423, 424	ECCD1H331K	330pF	50V	2
C425, 426	ECCD1H103MD	0.01μF	50V	2
C427, 428	ECCD1H331K	330pF	50V	2
C429	ECEA1HS100	10μF	50V	1
C430	ECEA1CS221	220μF	16V	1
C431, 432	ECQM1H682MZ	0.0068μF	50V	2
C433	ECEA50Z2R2	2.2μF	50V	1

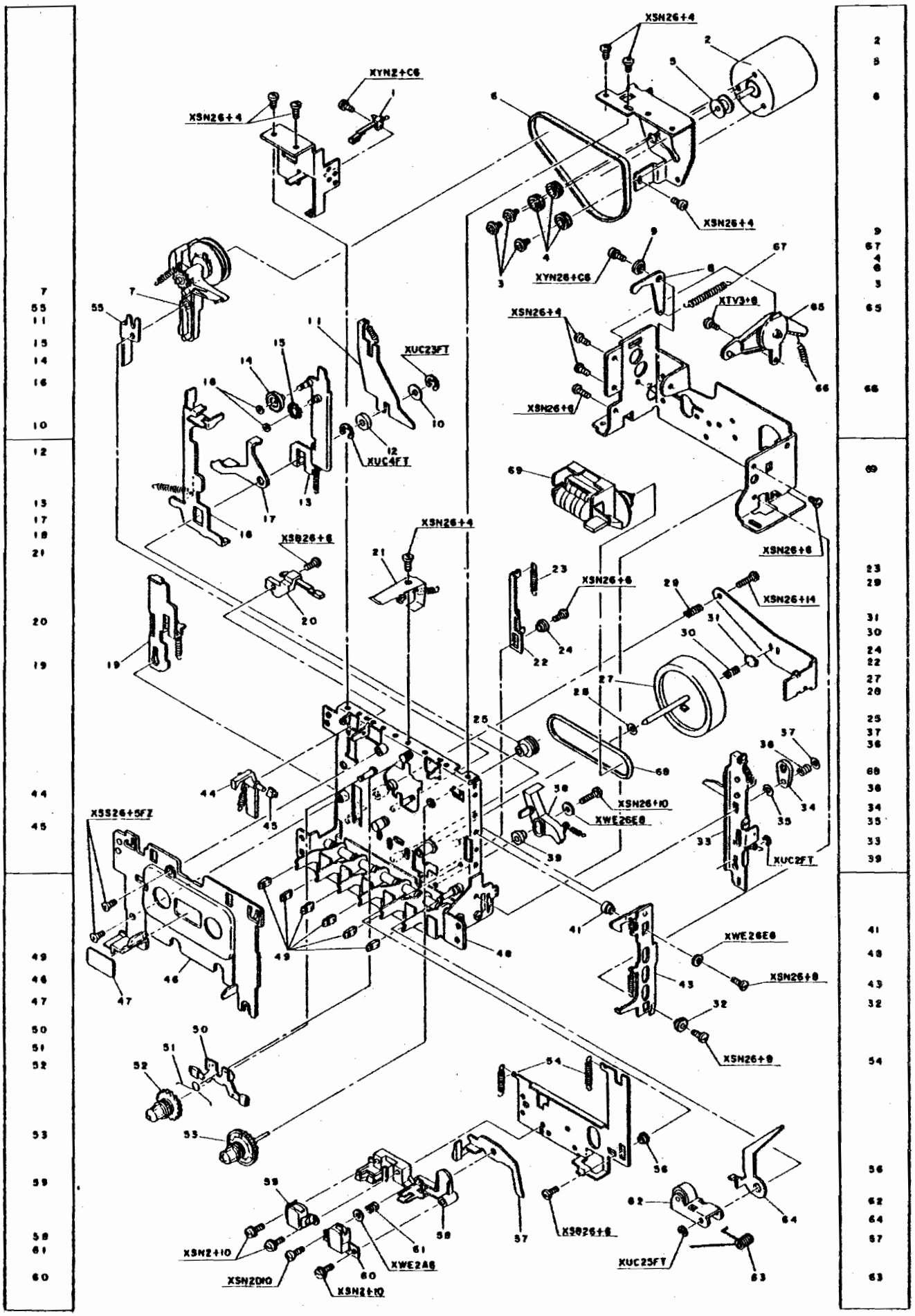
REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Per Set (pcs.)
C433	ECEA50Z2R2	2.2μF 50V	1
C450	ECEA1ES101	100μF 25V	1
C451	ECCD1H223PF	0.022μF 50V	1
C452	ECEA1CS101	100μF 16V	1
C455, 456	ECQM1H163MZ	0.016μF 50V	2
C461, 462	ECCD1H222K	0.0022μF 50V	2
C470	ECEA1HS100	10μF 50V	1
C471, 472	ECEA1HS100	10μF 50V	2
C473	ECEA1ES470	47μF 25V	1
C474, 475	ECCD1H102MD	0.001μF 50V	2
C501, 502	ECEA50MR1R	0.1μF 50V	2
C503, 504	ECCD1H471K	470pF 50V	2
C505, 506	ECEA50MR1R	0.1μF 50V	2
C507, 508	ECEA50MR1R	0.1μF 50V	2
C509, 510	ECCD1H103MD	0.01μF 50V	2
C511, 512	ECEA50MR1R	0.1μF 50V	2
C513, 514	ECEA50MR1R	0.1μF 50V	2
C515, 516	ECEA50MR1R	0.1μF 50V	2
C517, 518	ECCD1H102MD	0.001μF 50V	2
C521, 522	ECEA50MR22R	0.22μF 50V	2
C525, 526	ECCD1H471K	470pF 50V	2
C530	ECEA1ES101	100μF 25V	1
C701, 702	ECEA50MR47R	0.47μF 50V	2
C703, 704	ECCD1H331K	330pF 50V	2
C705, 706	ECEA1ES101	100μF 25V	2
C707, 708	ECEA1HS470	47μF 50V	2
C709, 710	ECEA1JS471	470μF 6.3V	2
C711, 712	ECQM1H473MZ	0.047μF 50V	2
C713, 714	ECCD1H471K	470pF 50V	2
C720	ECEA1HS101	100μF 50V	1
C721	ECEA1HS470	47μF 50V	1
C722	ECEA50Z1	1μF 50V	1
C801, 802	ECCD1H270K	27pF 50V	2
C803	ECCD1H331K	330pF 50V	1
C805	ECEA1ES101	100μF 25V	1
C806	ECEA50Z1	1μF 50V	1
C807	ECEA1CS471	470μF 16V	1
C901	ECEA1ES222	2200μF 25V	1
C902	ECCD1H223PF	0.022μF 50V	1
C903, 904	ECEA1ES101	100μF 25V	2
C909	ECET50R332	3300μF 50V	1
C912 ⚠	ECKDHS101MB	100pF 400V	1
CABINET AND CHASSIS			
1	SKA3260	Cabinet A Ass'y (SG-1800)	1
1	SYK1700	Cabinet A Ass'y (SG-1800P/C)	1
2	SYK1702	Cabinet B Ass'y	1
2-1	SNE456	Side Nut	2
3	SYL18	Foot A	2
4	SYU392-1	Bottom Board A Ass'y	1
5	SYU394	Bottom Board B Ass'y	1
6	SGE930	Cassette Lid	1
7	SYP404	Escutcheon Ass'y	1
8	SKE338	Side Board	2
9	SYE612	Dust Cover Ass'y (SG-1800P)	1
9	SYE404	Dust Cover Ass'y (SG-1800C)	1
10	SKD4660	Dial Scale	1
11	SGX1126	Ornament, Left	1
12	SGX1164	Ornament, Right	1
13	SGX1168	Ornament, Counter	1
14	SBN750	Knob, Tuning	1
15	SBN882	Knob, Volume	1
16	SBN814	Knob, Selector	5
17	SBC334	Button, Power	1
18	SBC352	Button, Cassette	6
19	SYE658	Button, Loudness	1
20	SBC384	Button, Reset	1
21	SYL8	Foot B	1
22	SUS212	Spring, Button	2
23	SUW1862	Rear Panel(SG-1800P/C)	1
23	SUW1862-1	Rear Panel(SG-1800)	1
24	SDA54	Holder, Dial Pointer	1
25	SDP5024	Dial Pointer	1
26	RDD382YA	Dial Drum	1
27	RDS4090A	Spring	1
28	SDT9310-1	Tuning Shaft	1
29	SUE14	Holder, Counter	1
30	SYE648	Connector Plate Ass'y	1
31	SMQ2534	Counter	1
32	SMQ2612	Belt, Counter	1
33 ⚠	SHR112	Power Cord Clamp	1
34	RHP969ZA	Latch	2
35	SKF1883	Rear Cover	1
36	SHG646	Rubber	1
37	SHG1081	Rubber, Lamp	1
38	RHG3-1	Rubber, Antenna	1
39	SMZ6082	Shading Cloth	1
40	RJA9YA-K	Power Cord	1
41	SJF110	Holder, Fuse	2
42	SUD160-1	Spacer, Jack	2
43	SJF3208	Terminal Board, AUX	2
44	SJF4212	Terminal Board, ANT	2
45	XCJS6PF4	Jack, Headphone	1
46	RJJ48A	Jack, Microphone	2
47	SJP2226	Plug, Phono(SG-1800P)	1
47	SJP2218	Plug, Phono(SG-1800C)	1
48	RJJ104ZA-C	Jack, DC Out (SG-1800)	1

PARTS LOCATION OF CABINET AND CHASSIS



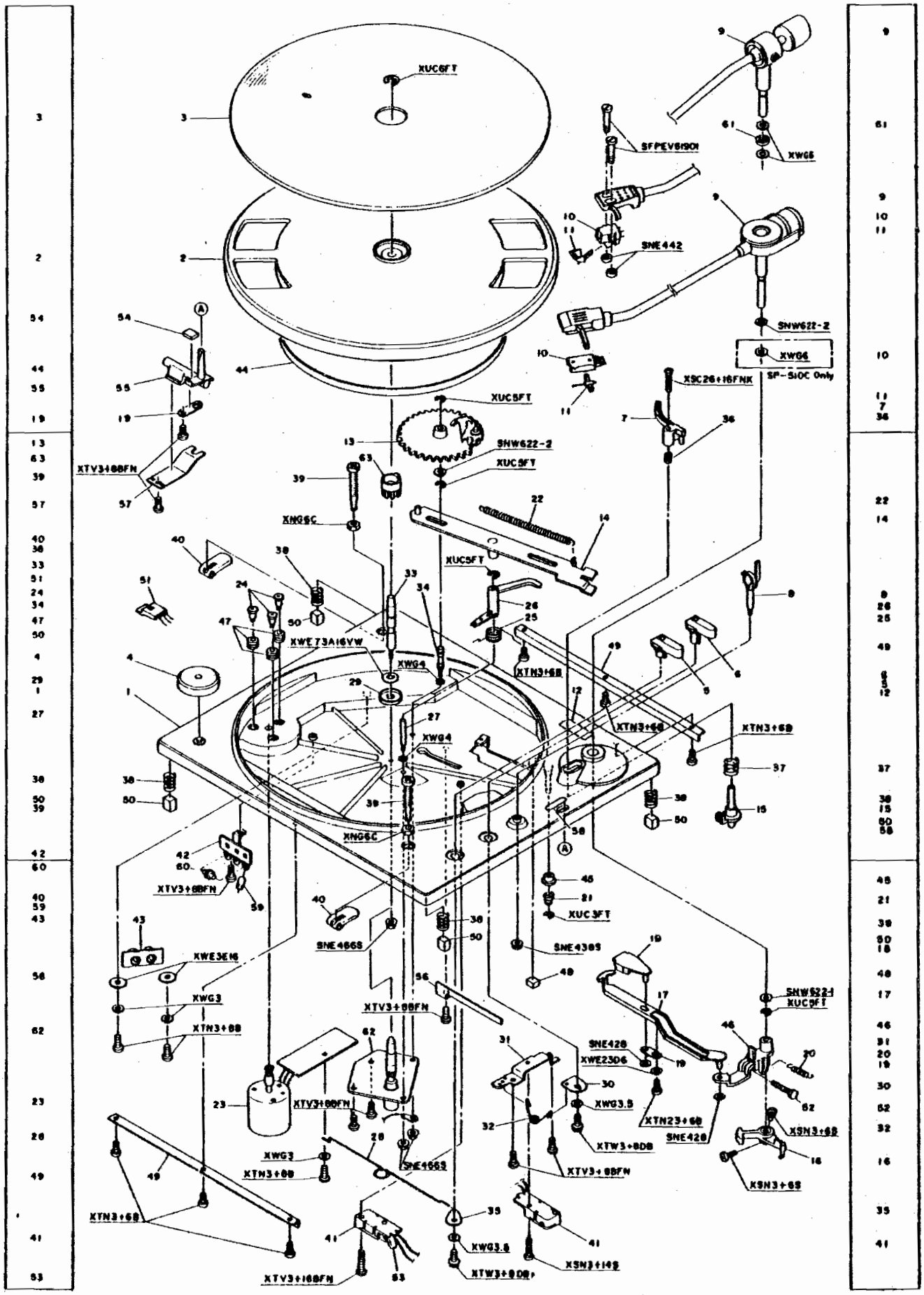
EXPLODED VIEW OF CASSETTE TAPE DECK (SJD580)



REPLACEMENT PARTS LIST OF CASSETTE TAPE DECK(SJD580)

Ref. No.	Part No.	Description	Per Set (pcs.)
1	SMQ1698	Leaf Switch, Muting	1
2	MHT5NF2x1	Motor	1
3	SMQ1908	Spacer Screw, Motor	3
4	SMQ1834	Rubber Cushion, Motor	3
5	SMQ1662	Motor Pulley	1
6	SMQ2418	Main Belt	1
7	SMQ1930-1	RF Clutch Ass'y with Spring	1
8	SMQ2716	Rec Lever	1
9	SMQ1426	Collar, Rec Lever	1
10	SMQ2422	Collar A	1
11	SMQ2426	Operation Plate, Muting with Spring	1
12	SMQ2424	Collar B	1
13	SMQ1922	FF Idler Arm Ass'y with Spring	1
14	SMQ1450	Idler Wheel	1
15	SMQ1924	FF Gear	1
16	SMQ1952	Washer	2
17	SMQ1928	Rewind Arm	1
18	SMQ2428	Main Plate with Spring	1
19	SMQ2430	Rec Slide Lever with Spring	1
20	SMQ1378	Leaf Switch, Motor On-Off	1
21	SMQ2432	Pack Holder Ass'y with Spring	1
22	SMQ2434	Play Slide Lever	1
23	SMQ1950	RC Spring	1
24	SMQ1426	Collar, Play Slide Lever	1
25	SMQ2436	Drive Pulley	1
27	SMQ1942	Flywheel	1
28	SMQ1940	Nylon Washer	1
29	SMQ2440	Thrust Spring	1
30	SMQ1784	Spring, Flywheel	1
31	SMQ2538	Flywheel Pad	1
32	SMQ1426	Collar, Eject Slide Lever	1
33	SMQ2544	Lever Ass'y, Pause Slide with Spring	1
34	SMQ2444	Pause Lever	1
35	SMQ2446	Collar, Pause Lever	1
36	SMQ2448	Spring, Pause Lever	1
37	SMQ2450	Nylon Washer	1
38	SMQ2452	Lever, Auto Stop Drive with Spring	1
39	SMQ2454	Collar, Auto Stop Lever	1
41	SMQ2456	Collar, Eject Slide Lever	1
43	SMQ2462	Eject Slide Lever Ass'y with Spring	1
44	ASMQ2464	Rec Safety lever with Spring	1
45	SMQ1706	Stopper, Rec Safety Lever	1
46	SGE932	Cover	1
47	SDH200	Fluorescent Paper	1
48	SMQ2546	Push Button Frame Ass'y	1
49	SMQ2468	Spring, Push Button	1
50	SMQ2470	Brake Arm Ass'y	1
51	SMQ2472	Spring, Brake Arm	1
52	SMQ2474	Supply Reel Ass'y	1
53	SMQ2476	Tape-Up Reel Ass'y	1
54	SMQ2478	Spring, Head Panel	2
56	SMQ1648	Collar, Head Panel	1
57	SMQ1900	Lever Ass'y, Auto Stop	1
58	SMQ1986	Head Base	1
59	SJH14	Erase Head	1
60	SJH30	R/P Head	1
61	SMQ678	Spring, R/P Head	1
62	SMQ2482	Pinch Roller Ass'y	1
63	SMQ2484	Spring, Pinch Roller	1
64	SMQ2486	Arm lever	1
65	SXE152	Eject Arm Ass'y	1
66	SUS306	Spring, Eject Arm	1
67	SUS318	rec Spring	1
68	SMQ2534	Counter	1
69	SMQ2612	Belt, Counter	1

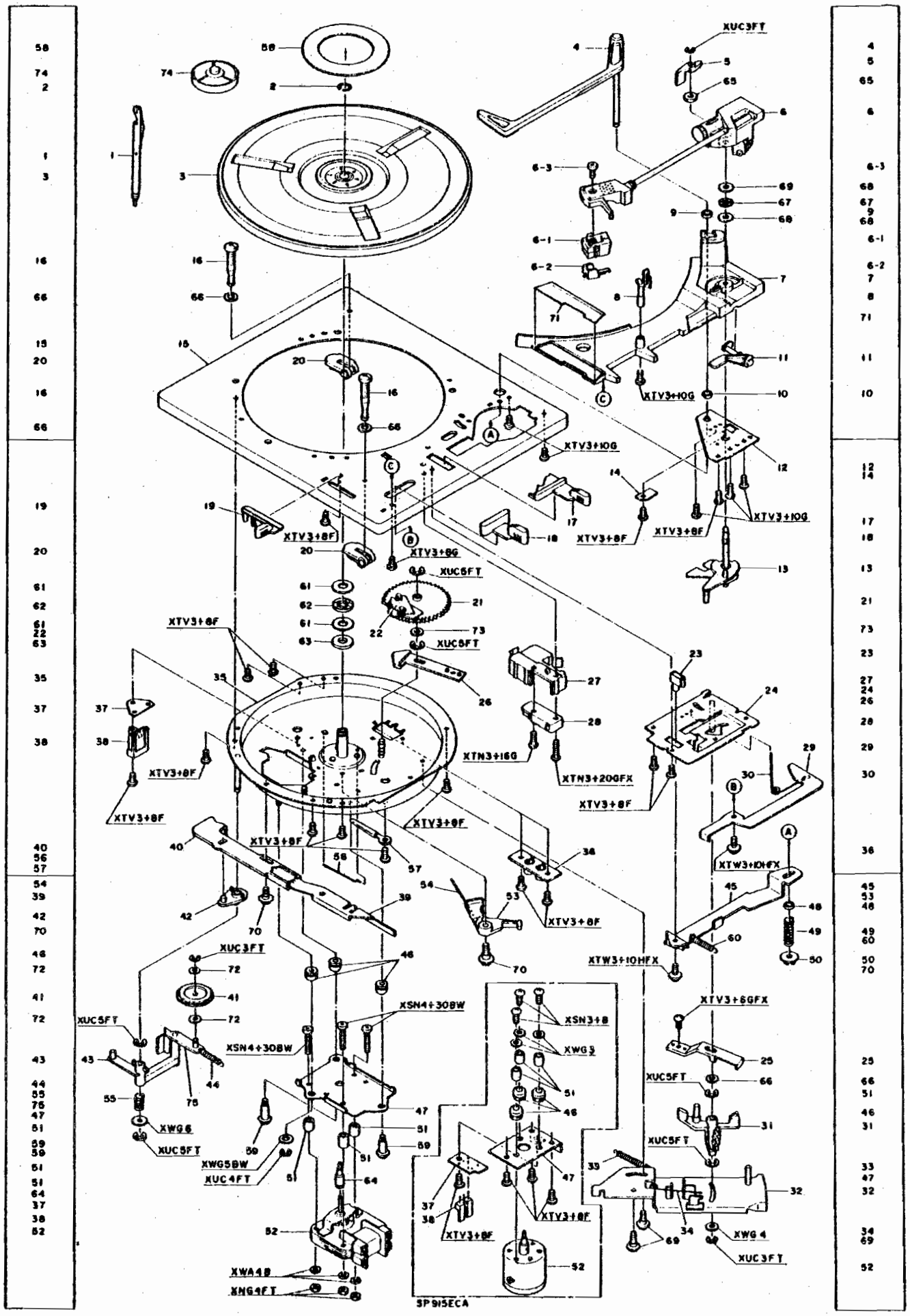
EXPLODED VIEW OF RECORD PLAYER(SP-510B)



REPLACEMENT PARTS LIST OF RECORD PLAYER (SP-510B)

Ref. No.	Part No.	Description	Per Set (pcs.)
1	SJY1014-2	Player Board	1
2	SJY160	Turntable Assembly	1
3	SJY4030	Turntable Mat	1
4	SJY5018	45 rpm Adapter	1
5	SJY5076	Knob, Cut	1
6	SJY5070	Knob, Selector	1
7	SJY5072-2	Lifter	1
8	SJY42	Arm Rest	1
9	EPU616STA	Tone Arm Assembly with Cartridge Stylus	1
10	EPC05STA	Cartridge with Stylus	1
11	EPS36ST	Stylus	1
12	SQT9630	Label, Stylus	1
13	SJY32	Gear Assembly	1
14	SJY132-2	Operating Plate Assembly	1
15	SJY5074	Shaft, Lift	1
16	SJY9016-4	Lever, Switch	1
17	SJY9042	Actuating Plate	1
18	SJY9044-1	Stop Plate, Switch	1
19	SJY9046	Bracket, Switch Control	2
20	SJY9056	Spring, Tone Arm Plate	1
21	SJY9060-1	Spring, Lift	1
22	SJY9062	Spring, Operating	1
23	MMC1170FP	Motor with Motor Pulley	1
24	SJY9288	Screw, Motor	3
25	SJY9266	Spring, Reject	1
26	SJY9268	Reject Arm	1
27	SJY9376	Shaft, Reject Arm	1
28	SJY9378	Spring, Stop	1
29	SJY9380	Bracket, Turntable	1
30	SJY9382	Lever, Selector Switch	1
31	SJY9418	Bracket, Switch	1
32	SJY9420-1	Spring, Switch	1
33	SJY9388	Shaft, Turntable	1
34	SJY9392	Shaft, Gear	1
35	SJY9394	Lever, Cut	1
36	SJY9396-1	Spring, Lift A	1
37	SJY9560	Spring, Lift B	1
38	SJY9404	Spring, Player Board	4
39	SFXG411-1	Transit Screw	2
40	SFUP411-6	Retaining Clip	2
41	AM4700	Micro Switch	2
43	SJF3210	Terminal Board	1
44	SFGB321-1	Turntable Belt	1
45	SFUM623-2	Spacer	1
46	SFUM623-4E	Lever, Tone Arm Plate	1
47	SHG9092	Rubber A	3
48	SHG916	Rubber B	1
49	SUW928-1	Bracket	2
50	SHR6042	Cushion	4
52	VF3B20S	Screw, Tone Arm Plate	1
53	ECQG1H103MZ	Capacitor	1
54	SHG638	Felt A, Cueing	1
55	SJY9544	Cueing Lever	1
57	SJY9546-1	Spring, Cueing	1
58	SQX9422	Label, Cueing	1

EXPLODED VIEW OF RECORD CHANGER(SP-915ECA)



REPLACEMENT PARTS LIST OF RECORD(CHANGER (SP-915ECA)

Ref. No.	Part No.	Description	Per Set (pcs.)
1	SFVS915A01E	Multiple-Plug Spindle	1
2	SFXT920A01	Stopper Ring	1
3	SFTE915A01	Turntable Platter	1
4	SFXL915A01E	Record Pusher	1
5	SFUM915A03	Lift Guide	1
6	SFPBK6100A	Pickup Arm Assembly	1
6-1	EPC09STAD	Cartridge	1
6-2	EPS27STSD	Stylus	1
6-3	SFPEV6102	Screw	1
7	SFKP915A01	ArmBase	1
8	SFKU915A01E	Arm Rest Assembly	1
9	SFGC915A01	Record Push, Rubber	1
10	SFUM915A06	Stop Collar	1
11	SFKT915A01	Cueing Lever	1
12	SFUK915A01	Pickup Plate	1
13	SFXJ915A01A	Locating Plate Assembly	1
14	SFDP915A01	Print Base	1
15	SFBP915A01E	Main Plate Assembly	1
16	SFXG411-1	Transit Screw	2
17	SFKT915A02	Size Select Knob	1
18	SFKT915A03	Start Knob	1
19	SFKT915A04	Speed Select Knob	1
20	SFUP411-6	Retaining Clip	2
21	SFUG915A01E	Main Gear Assembly	1
22	SFUK915A01E	Actuating Link Assembly	1
23	SFUM915A09	Select Guide	1
24	SFUK915A02E	Sub Plate Assembly	1
25	SFUC915A02	Actuating Slide B	1
26	SFUC915A01	Actuating Slide A	1
27	SFUM915A15	Switch Cover	1
28	SFDS-AH47009	Micro Switch	1
29	SFUP915A02E	Start Rod Assembly	1
30	SFQS915A01	Spring	1
31	SFUM915A08	Index Lever	1
32	SFUP915A07E	Operating Plate Assembly	1
33	SFQH915A04	Spring	1
34	SFQS915A04	Spring	1
35	SFUK915A03E	Base Plate Assembly	1
36	SFDJ915A01	Pin Jack Receptacle	1
37	SFDP915E01	Print Base	1
38	CMSP3003	3 Pin Wafers	1
39	SFUP915A05	Speed Select Lever B	1
40	SFUM915A13	Speed Select Lever A	1
41	SFMI915A01E	Idler Assembly	1
42	SFMK915A01	Idler Cam	1
43	SFUM915A14	Speed Change Lever	1
44	SFQH915A03	Spring	1
45	SFUP915A03	Select Rod	1
46	SFGC920A01	Motor Cushion Rubber	3
47	SFMF915E02	Motor Plate	1
48	SFUM915A10	Collar	1
49	SFQA915A05	Spring	1
50	SFUM915A11	Lock Collar	1
51	SFXJ915E01	Spacer	3
52	MMC2800C	Motor Ass'y with Motor Pulley	1
53	SFUM915A12	Spindle Lever	1
54	SFQS915A03	Spring	1
55	SFQA915A06	Spring	1
56	SFQS915A02	Spring	1
57	SHE36-3	Cord Clamper	1
58	SFTK915A01	Decoration Ring	1
60	SFQH915A01	Spring	1
61	SFXW920A03	Turntable Washer	2
62	SFUP920A09E	Ball Race	1
63	SFGC915A03	Turntable Support Rubber	1
65	SFXN915A01	Nut	1
66	QBJ3309	Washer	2
67	SFUP890B01E	Ball race	1
68	SFXW890B01	Pickup Washer	2
69	SFXG910-04	Screw	2
70	SFXG910-06	Screw	2
71	SFNP915A01	Plate	1
72	QBJ3066	Washer	1
73	SFPEW1100	Washer	1
74	SFVA920A01	Manual Spindle	1
75	SFVP915A06E	Idler Lever Assembly	1